



April 13, 2022

SENT VIA FEDERAL EXPRESS

Ms. Sonja Favors
Alabama Department of Environmental Management
Industrial Hazardous Waste Branch
Land Division
1400 Coliseum Boulevard
Montgomery, Alabama 36130-1463

RE: 2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report
Solutia Inc., Anniston, Alabama
EPA RCRA ID #ALD004019048; EPA CERCLA ID #ALD000400123
Docket No. 1:02-cv-0749-KOB

Dear Ms. Favors:

Please find attached an electronic copy of the above-referenced report. This report is submitted in compliance with the requirements of condition II.B.6 of the Facility's RCRA Post-Closure Permit and the Interim Record of Decision for Operable Unit 3 of the Anniston PCB Site. If you should have any questions or need additional information, please call me at (256) 231-8404.

Sincerely,

A handwritten signature in blue ink, appearing to read "E. Macolly", with a long horizontal flourish extending to the right.

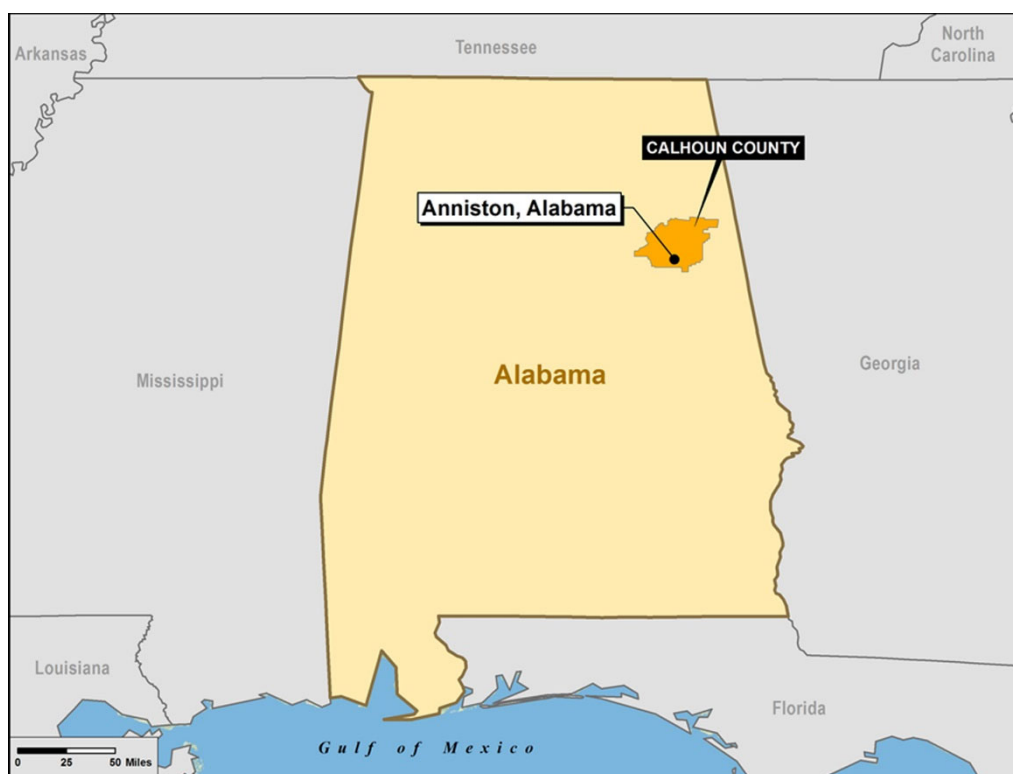
E. Gayle Macolly
Manager, Remedial Projects
Solutia Inc.

Attachments: 2021 Annual Groundwater Detection Monitoring and Corrective Action
Effectiveness Report

cc: Ms. Pam Scully, USEPA Region IV
Mr. Thomas Dahl, Dahl Environmental Associates

2021 ANNUAL GROUNDWATER DETECTION MONITORING AND CORRECTIVE ACTION EFFECTIVENESS REPORT

RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB



Issued: 13 April 2022

Prepared for: Solutia Inc.
Anniston, Alabama



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ABBREVIATIONS

ADEM	Alabama Department of Environmental Management
AHWMMA	Alabama Hazardous Waste Management and Minimization Act
AWWSB	Anniston Water Works & Sewer Board
CD	Consent Decree
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Constituent of Concern
COV	Coefficient of Variation
CTS	Carbon Treatment System
GAC	Granular Activated Carbon
GSI	GSI Environmental Inc.
IROD	Interim Record of Decision
IW	Interceptor Well
L/min	liters per minute
MNA	Monitored Natural Attenuation
OU	Operable Unit
OU-3	Operable Unit 3
OW	Observation Well
P/S	Pharmacia LLC and Solutia Inc.
PCB	Polychlorinated Biphenyl
PNP	Para-Nitrophenol (also 4-Nitrophenol)
POTW	Publicly Owned Treatment Works
RA	Remedial Action
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
S	Mann-Kendall Statistic
SID	State Indirect Discharge
Site	Anniston PCB Site
Solutia	Solutia Inc.
SOW	Statement of Work
SWMU	Solid Waste Management Unit
µg/L	micrograms per liter
USEPA	United States Environmental Protection Agency

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1.0 EXECUTIVE SUMMARY

1.1 Basis for Annual Report

This report has been prepared to document the results of groundwater monitoring and corrective action during 2021 at the Solutia Inc. (Solutia) facility in Anniston, Alabama (see Figure 1). Groundwater monitoring and corrective actions are being conducted at Operable Unit 3 (OU-3) in accordance with the: i) RCRA Post-Closure Permit No. ALD 004 019 048 issued by the Alabama Department of Environmental Management (ADEM) on 19 July 2019; and ii) Consent Decree (CD) issued by the US Environmental Protection Agency (USEPA) Region 4 on 17 April 2013 and the associated Interim Record of Decision (IROD) and Remedial Action (RA) Work Plan required pursuant to CERCLA. This report describes the requirements for groundwater monitoring and corrective action efforts and documents the progress achieved regarding these activities during the calendar year 2021.

1.2 Summary of Findings

Groundwater monitoring conducted during 2021 has demonstrated that the RCRA corrective action program and the CERCLA remedial action are being implemented in accordance with applicable requirements as summarized below. The monitoring well network and corrective action systems are depicted on Figures 2 and 3, respectively.

- **RCRA Groundwater Detection Monitoring:** At WMA I (South Landfill Cells 4E and 5E), semi-annual groundwater sampling and testing during 2021 have demonstrated that no release has occurred from the unit.
- **RCRA Groundwater Corrective Action:** At WMA II (New Limestone Bed) and SWMU 1 (South Landfill), semi-annual groundwater sampling and testing have demonstrated that operation of groundwater recovery systems is successfully intercepting affected groundwater. Statistical trend analysis of groundwater monitoring data shows that concentrations of Constituents of Concern (COCs) are generally stable or decreasing, thereby indicating the effectiveness of the groundwater recovery efforts.
- **CERCLA Remedial Action (RA):** Groundwater pump-and-treat systems are currently recovering and treating affected groundwater at Corrective Action Areas near monitoring wells OW-21A and OW-10 (see Figure 4). Groundwater monitoring, which is conducted annually in the vicinity of these wells and at other select locations throughout OU-3, demonstrates that COC concentrations are

generally consistent with the prior four years of CERCLA RA monitoring. Concentration trends indicate primarily stable to decreasing conditions for COCs at the CERCLA RA monitoring wells.

1.3 Report Organization

This report is organized as follows: the facility background is provided in section 2.0, an overview of the groundwater monitoring program is discussed in section 3.0, an evaluation of the groundwater monitoring results is presented in section 4.0, and the evaluation of corrective actions is included in section 5.0. Tables 1 through 8 summarize technical data associated with the monitoring program, and Figures 1 through 19 provide illustrative summaries of the groundwater monitoring results. Supporting information is included in Appendices A through H.

2.0 FACILITY BACKGROUND

2.1 General Facility Description

OU-3 extends over an approximate 155-acre area located about one mile west of downtown Anniston, Alabama (see Figure 1). The manufacturing area comprises the northern portion of the OU-3 area and encompasses approximately 68 acres. The manufacturing portion of OU-3 is bounded to the north by the Norfolk Southern railroad (formerly the Georgia Pacific railway), to the east by Clydesdale Avenue, to the west by the closed West End Landfill and an Alabama Power Company substation and to the south by Highway 202. OU-3 also includes the South Landfill located on the south side of Highway 202 and the northside properties area located north of the manufacturing area.

Solutia currently manufactures polyphenyl compounds and phosphate ester-based nonflammable hydraulic fluids under the authorization of applicable environmental permits. Environmental activities at the facility have included a combination of investigative and remedial efforts conducted pursuant to these permits.

2.2 Closed Units and Corrective Action Areas

This annual groundwater monitoring report addresses closed waste management units and corrective action areas identified in the RCRA permit and the IROD. The facility previously operated the following hazardous waste management and/or disposal areas (see Figure 3):

- WMA I: Closed Cells 4E and 5E of the South Landfill;
- WMA II: New Limestone Bed; and
- SWMU 1: Closed Cells 1W, 2W, 2WA, 3W, 4W, 1E, 2E, and 3E of the South Landfill.

2.2.1 WMA I: Closed Cells 4E and 5E (northeastern portion of South Landfill)

Closed Cells 4E and 5E of the South Landfill have been designated as WMA I. Cells 4E and 5E represent two of the ten cells comprising the South Landfill. The disposal unit was used for the disposal of ruffage (i.e., general trash) generated within the parathion and para-nitrophenol production areas. The general trash included, among other wastes, discarded empty used fiber drums, empty used sample containers, rubber overshoes, gloves, filter papers, etc., which potentially contained residues of parathion, methyl parathion, and/or para-nitrophenol (PNP). Occasionally, spill residues from the clean-up of these same materials were disposed in these cells.

These wastes were considered hazardous by characteristic as listed pursuant to ADEM Administrative Code 335-14-2-.04(4)(e, f): discarded commercial chemical products, off-specification species, container residues and spills of parathion (P089), methyl parathion (P071), and p-nitrophenol (U170). These wastes were collected in dumpsters located at various points within the manufacturing area.

WMA I was closed in compliance with provisions contained in an operating permit issued under the Alabama Hazardous Waste Management and Minimization Act (AHWMMA) and RCRA.

No release to groundwater has been documented from WMA I. A series of groundwater monitoring wells is located hydraulically downgradient of the unit to detect any potential release from the unit to groundwater.

2.2.2 WMA II: New Limestone Bed

WMA II, also known as the New Limestone Bed, was used as a surface impoundment for treatment of characteristically hazardous waste. The unit was not used for waste disposal. WMA II was employed to partially neutralize an aqueous process wastewater stream, having the characteristic of corrosivity (D002) prior to biological treatment in the on-site industrial wastewater treatment system. Additionally, as a matter of convenience, the column bottoms from an acetone recovery distillation column (F003) flowed through this surface impoundment. As with WMA I, WMA II was closed in compliance with provisions contained in an operating permit issued under the AHWMMA and RCRA. A series of interceptor wells located near the northern boundary of OU-3 addresses a release to groundwater in WMA II.

2.2.3 SWMU 1: South Landfill

The South Landfill was operated from 1960 to 1988 and included ten individual closed disposal cells (i.e., 1W, 2W, 2WA, 3W, 4W, 1E, 2E, 3E, 4E, and 5E). As noted above, Cells 4E and 5E have been designated as WMA I. The remaining cells have been designated as SWMU 1, which has been referred to EPA as noted in Table IV.4 of the current RCRA permit.

Interim corrective measures were constructed to prevent transport of affected soils from the South Landfill. These measures included the installation of a multi-layer cap and drainage controls over the waste, with a clay and vegetative cap around the disposal areas. As part of the CERCLA RA work, the caps atop cells 1E, 2E, and 3E (referred to as the PCB cells) of the South Landfill were upgraded to be compliant with the provisions of RCRA, 42 U.S.C. §6901 et seq. (1976) Subtitle C during the period of mid-2015 to early 2016 (Solutia, 2017b).

At Cell 3E, water from a pre-existing seep was observed emanating from beneath the cap following construction in 2016. A seep collection, conveyance, and treatment system were installed in 2018 to collect water from beneath the cap. The system has been upgraded periodically to increase capacity and reduce iron fouling.

A series of interceptor wells (IWs) located north of the unit (including well IW-14A to the west of Clydesdale Blvd.) addresses a release to groundwater in SWMU 1 (see Figure 4).

2.2.4 CERCLA Remedial Action Corrective Action Areas

Under the provisions of the IROD, a Performance Verification Sampling Program (PSVP) is being conducted to support the Remedial Action for OU-3. The groundwater remedy for OU-3 includes interceptor wells in the vicinity of the two groundwater impact areas identified near wells OW-21A and OW-10 (see Figure 4). An additional component of the groundwater remedy for the Site includes monitored natural attenuation (MNA) for addressing parathion and PNP. Previous data indicate that this is only applicable in the OW-21A area, as parathion and PNP concentrations were less than CERCLA Remediation Goals in other portions of the Site.

2.3 Shallow Stratigraphy and Groundwater Occurrence

2.3.1 Shallow Stratigraphy

Previous investigations conducted at the facility have described the shallow stratigraphy beneath the site (particularly Solutia Inc. and Pharmacia Corporation, 2008). Cross-sections prepared for the RCRA Permit Renewal Application (Solutia, 2018) are provided on Figures 5 and 6, which were initially presented as Figures C-4 and C-5, respectively, in the 2008 RCRA Part B Post-Closure Permit Application (Solutia, 2008). General descriptions of the shallow stratigraphic units beneath the facility are provided below.

- **Residuum:** Beneath most of the OU-3 area, the near-surface geology consists of low-permeability residuum composed of silts and clays. In general, boring logs indicate the residuum becomes denser with depth, as expected in a typical weathering profile. For this reason, the residuum has been loosely divided into two units, the shallow and deep, as further described below. The residuum extends to a depth of more than 100 feet below ground surface (bgs) and acts as a semi-confining unit to the underlying Shady Dolomite.
 - *Shallow Residuum:* The material from the surface to a depth of about 45 feet bgs is referred to as the shallow residuum. The unit consists of sandy and silty clays, with fine-to-coarse-grained sand lenses and extends laterally across most of the facility. Where water-bearing, the shallow residuum represents the uppermost aquifer beneath the site.
 - *Deep Residuum:* The material from about 45 feet bgs to the top of weathered bedrock is referred to as the deep residuum.
- **Bedrock:** The deep residuum is underlain beneath most of the facility by dolostone or dolomitic limestone bedrock of the Shady Dolomite Formation, which is encountered at an average approximate depth of 100 feet bgs. At the northernmost area of OU-3, several borings have encountered the highly weathered shale of the Rome Formation underlying the residuum at an approximate depth of 50 feet bgs. To the south, one boring penetrated both the residuum and dolostone, encountering quartzite bedrock of the Weisner Formation (Figure 5).

2.3.2 Hydrology

Historical groundwater measurements indicate that groundwater generally flows to the north in the shallow residuum, the deep residuum, and the shallow bedrock units (Solutia, 2018). This general flow direction reflects the surface topography, especially within the shallow residuum which is generally encountered under unconfined conditions. This includes the northern face of Coldwater Mountain to the south of the site, which trends from an average slope of approximately 12% to a flatter gradient of approximately 2% across the production area of the facility.

Locally, the shallow groundwater gradient is influenced by anthropogenic features such as backfilled excavations, caps, etc., which produce variable hydraulic conductivities and groundwater recharge rates. Also, the groundwater extraction systems influence the groundwater flow patterns in localized areas of the Site. Additional detail on current groundwater flow patterns is provided in Section 5.1.

Monthly rainfall totals at the site are presented in Table 7 for the last five years. The annual rainfall for 2021 was 67.94 inches, measured on-site, which is 31% greater than the average annual rainfall for the Anniston, Alabama area of approximately 52 inches.

2.3.3 Selection of Monitoring Parameters

Previous groundwater sampling and testing programs conducted at the Solutia Anniston facility have identified potential COCs to be analyzed during groundwater monitoring programs. For corrective actions currently being implemented in accordance with the requirements of the RCRA Permit, remediation standards have been defined as the RCRA Concentration Limits. For remedial action being conducted in accordance with the IROD, remediation standards have been defined as CERCLA Remediation Goals. Remediation standards are provided on Table 5 along with the 2021 groundwater monitoring results.

3.0 GROUNDWATER SAMPLING PROCEDURES

3.1 Basis for Groundwater Monitoring

Groundwater sampling and analysis were conducted semi-annually in accordance with the Quality Assurance Project Plan (Solutia, 2018) from the RCRA Permit Renewal Application, along with the OU-3 Performance Standards Verification Program Sampling and Analysis/Quality Assurance Project Plan (PSVP SA QAPP; Solutia, 2015a).

3.2 Sampling Procedures

Groundwater samples and field measurements were collected from the specified wells during April and October 2021 (see Table 2). Well construction specifications are provided in Appendix A.

3.2.1 Groundwater Elevation Measurements

Prior to groundwater sampling, groundwater levels were measured in wells from which samples were to be collected and from other monitoring wells and piezometers located throughout OU-3. Measurements were completed on 12 and 13 April and 11 October 2021, using electronic water level indicators having an accuracy of 0.01 feet. Groundwater elevations were tabulated (see Table 4) and used to construct potentiometric surface contour maps for the Shallow Residuum, Deep Residuum, and Shallow Bedrock strata as discussed in Section 4.1.

Note that between June and September 2021, 63 wells and piezometers across the site were overdrilled, plugged, and abandoned as authorized by the RCRA Permit and described in the *Monitoring Well Abandonment Report* (Solutia, 2021). Figure 2a indicates the monitoring well network as it existed in April 2021 and Figure 2b indicates the reduced monitoring well network as it existed in October 2021.

3.2.2 Groundwater Sample Collection

3.2.2.1 Well Purging and Sampling

Monitoring wells were purged, and samples collected, using low-flow procedures as specified in the applicable sampling and analysis plans (Solutia, 2015a; 2018). Wells sampled as part of the RCRA Groundwater Detection Monitoring and RCRA Groundwater Corrective Action Monitoring programs are equipped with dedicated bladder pumps used for both purging and sampling. In wells sampled as part of the CERCLA Remedial Action, portable bladder pumps are used for both purging and sampling. The portable bladder pumps are decontaminated, and new, unused bladders are installed before use at each well.

Wells were purged at a rate of 0.1 to 0.5 L/min to produce minimal drawdown, and field indicator parameters were recorded until measurements stabilized to within specified ranges. Purge water was treated using granular activated carbon and discharged into the facility decontamination pit, which discharges to the facility equalization system and then to the Anniston publicly-owned treatment works. Temperature, pH, specific conductance,

turbidity, dissolved oxygen, and redox potential (i.e., field indicator parameters) were measured in the field during purging. Table 3 summarizes the values measured after stabilization, and immediately prior to collecting the samples.

3.2.2.2 Laboratory Analyses

Groundwater samples were collected in method specified containers and shipped under chain-of-custody control to Eurofins TestAmerica Laboratories, Inc. in Savannah, Georgia. Samples were analyzed for the COCs listed on Table 2. Trip blanks, field blanks, field duplicates, and matrix spike/matrix spike duplicate pairs were collected as described in the Data Validation Summary included as Appendix F. Complete laboratory reports are provided in Appendix H.

3.2.2.3 Sample Filtration

Sampling procedures for groundwater monitoring conducted under RCRA specify filtration of PCB and metals samples using a 0.1-micron filter (Solutia, 2018), while CERCLA procedures specify a 2-micron filter (Solutia, 2015). Because 2-micron filters are not readily available commercially and because some CERCLA wells are also part of the RCRA monitoring program, all sample filtration for the 2021 monitoring program was conducted using 0.1-micron filters. For CERCLA-related performance assessment, including comparison of sample results to CERCLA Remediation Goals and concentration trend analyses for CERCLA wells, only the results for unfiltered samples are utilized. Results for both unfiltered and filtered samples are provided in tables and figures.

4.0 EVALUATION OF GROUNDWATER MONITORING RESULTS

4.1 Groundwater Flow Rate and Direction

Potentiometric surface maps (see Figures 7a, 7b, 8, and 9) have been prepared for the Shallow Residuum, Deep Residuum, and Shallow Bedrock units using groundwater measurements collected in April 2021 for all three units, and October 2021 for the Shallow Residuum only. Groundwater elevations were generally similar between April and October 2021. This observation, while inconsistent with the last few years when groundwater elevation was higher in April than October, is likely due to a relatively drier fall 2020 and winter 2021 compared to the last few years.

Both April and October 2021 groundwater gradients are consistent with those presented in previous annual groundwater monitoring reports and indicate similar groundwater flow directions and seepage velocities. Note that an estimate of effective porosity is not available for the Shallow Bedrock unit; therefore, a groundwater seepage velocity has not been estimated for the unit.

4.1.1 Shallow Residuum

Groundwater within the Shallow Residuum flows in a general north to northeasterly direction under a hydraulic gradient of approximately 0.03 to 0.04 (see Figures 7a and 7b). Based on previous aquifer testing, the geometric mean hydraulic conductivity of the Shallow Residuum is 1.53E-02 feet per day (5.4E-06 cm/sec; Solutia, 2007). The effective porosity of the residuum is estimated at 20% (Solutia, 2007). The groundwater seepage velocity within the Shallow Residuum can be calculated using Darcy's Law (Freeze and Cherry, 1979):

$$V_s = \frac{Ki}{N_e}$$

Where: V_s = seepage velocity, K = hydraulic conductivity i = hydraulic gradient, and N_e = effective porosity. This yields a seepage velocity for the Shallow Residuum of approximately 1.0 feet per year. Note that transport of organic compounds would be slower than this velocity as a result of sorption to soil particles.

4.1.2 Deep Residuum

Groundwater within the Deep Residuum flows in a general north to northwesterly direction under a hydraulic gradient of 0.04 to 0.05, as measured from well OWR-15D to well OWR-04D (see Figure 8). Based on previous aquifer testing, the geometric mean hydraulic conductivity of the Deep Residuum is 6.4E-03 feet per day (2.3E-06 cm/sec; Solutia, 2007). Calculating the seepage velocity within the Deep Residuum in a similar manner to that described above for the Shallow Residuum yields an approximate seepage velocity of 0.5 feet per year. Note that as of September 2021, there are no longer any monitoring wells screened in the deep residuum; therefore, this analysis will not be provided in future annual reports.

4.2 Groundwater Quality

The overall results of the groundwater monitoring conducted in 2021 indicate that detected COCs and respective concentrations are generally consistent with previous results. A summary of COCs detected during the April and October 2021 groundwater monitoring events is presented in this section and on Table 5. The table indicates those wells which were sampled in accordance with the RCRA Groundwater Detection Monitoring Program, the RCRA Corrective Action Monitoring Program, and the CERCLA Remedial Action Program. Note that samples are collected and analyzed from the following three wells to satisfy the requirements of the latter two programs.

- **Well OW-08A:** Sampled for PCB Aroclors, manganese, cobalt, mercury, chlorobenzene, O,O,O-triethylphosphorothioate, 4-nitrophenol, 1,2-dichlorobenzene, 1,4-dichlorobenzene, parathion, and tetraethyldithiopyrophosphate per the RCRA Corrective Action Monitoring Program and indeno(1,2,3-cd)pyrene per the CERCLA Remedial Action Program.
- **Well OW-16A:** Sampled for PCB Aroclors, manganese, cobalt, mercury, chlorobenzene, O,O,O-triethylphosphorothioate, 4-nitrophenol, 1,2-dichlorobenzene, 1,4-dichlorobenzene, parathion, and tetraethyldithiopyrophosphate per the RCRA Corrective Action Monitoring Program and 1,2,4-trichlorobenzene per the CERCLA Remedial Action Program.
- **Well OW-21A:** Sampled for PCB Aroclors, manganese, cobalt, mercury, chlorobenzene, O,O,O-triethylphosphorothioate, 4-nitrophenol, 1,2-dichlorobenzene, 1,4-dichlorobenzene, parathion, and tetraethyldithiopyrophosphate per the RCRA Corrective Action Monitoring Program. Based on concentrations of these COCs in OW-21A, the area in the vicinity of well OW-21A was designated as a Corrective Action area addressed by the CERCLA Remedial Action Program.

Groundwater monitoring data have been compared to applicable RCRA Concentration Limits or the CERCLA Remediation Goals, and concentrations exceeding applicable limits are highlighted on Table 5.

4.2.1 WMA I Groundwater Detection Monitoring

No COCs were detected in the background well (MW-01B) or any point of compliance well (i.e., MW-11A, MW-12A, and MW-13A) above the RCRA Concentration Limits, indicating that no release has occurred from the unit (see Figure 10).

4.2.2 WMA II and SWMU 1 Groundwater Corrective Action Monitoring

Of the 13 wells monitored at WMA II and SWMU 1, including the background well (MW-01B), nine wells evidenced no detections greater than the RCRA Concentration Limits for any analyte. Concentrations in groundwater samples were less than RCRA Concentration Limits for all volatile organic compounds and metals analyzed (see Figures 11 and 15).

The monitoring locations and COCs that exceeded their respective RCRA Concentration Limits in the WMA II and SWMU 1 wells are summarized in Exhibit 1 below.

Exhibit 1. Summary of RCRA Concentration Limit Exceedances

Well	Unit	COC Exceeding RCRA Concentration Limit
OW-08A	SWMU 1	Total PCBs (unfiltered)
OW-16A	SWMU 1	Total PCBs (unfiltered) Total PCBs (filtered)
OW-21A	WMA II	Total PCBs (unfiltered) 4-Nitrophenol O,O,O-Triethylphosphorothioate Parathion
OW-22	WMA II	Total PCBs (unfiltered)

As noted above, well OW-21A is monitored per the RCRA Corrective Action Monitoring Program, while the OW-21A area is addressed by the CERCLA Remedial Action Program. Results of OW-21A, along with results from other wells monitored in this area are discussed in detail below in section 4.2.3 in context of the CERCLA Remedial Action Program. Specific results and notable differences from previous monitoring events are discussed in more detail below.

- PCB Results in Filtered Samples:** Total PCB Aroclors were less than the applicable RCRA Concentration Limit of 0.5 micrograms per liter ($\mu\text{g/L}$) in seven of the eight filtered samples, with the exception being the filtered sample at OW-16A (see Figure 13). PCB detections in filtered samples have been observed periodically at well OW-16A. Overall, the sampling results demonstrate that PCB detections in groundwater are primarily associated with entrained sediments that are typically removed through filtration.
- CERCLA Results for Well OW-16A:** As noted above, samples collected from OW-16A are analyzed for 1,2,4-trichlorobenzene, which has been assigned a Remediation Goal under CERCLA but not a Concentration Limit under RCRA. The concentration of 1,2,4-trichlorobenzene at well OW-16A exceeded the CERCLA Remediation Goal as discussed below in section 4.2.3.3. Mann-Kendall statistical analysis indicates a “stable” trend for this COC at this well over the entire monitoring record.
- Notable Differences from Prior Monitoring Events:** At monitoring well MW-20A, pentachlorophenol (PCP) was not detected. Reported PCP concentrations have ranged from approximately 4 to 14 $\mu\text{g/L}$ over the last 16 years, with two other instances of non-detect results in 2006 and 2019 (see Figure 12 and Appendix G, Figure G.2). Mann-Kendall statistical analysis indicates a “decreasing” trend for PCP at this well over the entire monitoring record.

At well OW-15, PCBs were not detected for the first time since October 2008. Between October 2008 and May 2020, PCB detections at OW-15 ranged from approximately 1 to 6 µg/L.

4.2.3 CERCLA Performance Verification Sampling

Results from the May 2020 groundwater sampling as conducted in accordance with the PSVP SA QAPP (Solutia, 2015a) are summarized below and on Figures 16 through 19. The monitoring locations and COCs that exceeded their respective CERCLA Remediation Goals at OU-3 are summarized in Exhibit 2 below.

Exhibit 2. Summary of CERCLA Remediation Goal Exceedances

Well	Area	COC Exceeding CERCLA Remediation Goal
OW-21A	OW-21A	Total PCBs 4-Nitrophenol O,O,O-Triethylphosphorothioate Parathion
T-04	OW-21A	Total PCBs
T-09	OW-21A	Total PCBs
OW-10	OW-10	Beryllium ¹ Manganese Mercury
T-20	OW-10	Manganese
OWR-11	Other Areas Within OU-3	Total PCBs Cobalt Manganese
OWR-13	Other Areas Within OU-3	Total PCBs
OW-14D	Other Areas Within OU-3	Total PCBs
OW-15D	Other Areas Within OU-3	Total PCBs
OW-16A	Other Areas Within OU-3	1,2,4-Trichlorobenzene
T-06	Other Areas Within OU-3	Total PCBs
T-18	Other Areas Within OU-3	Total PCBs

Note:

1. Beryllium at OW-10 was detected only in the duplicate filtered sample.

Specific results and notable differences from previous monitoring events are discussed in more detail in the following sections.

4.2.3.1 Well OW-21A Corrective Action Area

- **Volatile Organic Compounds and Metals:** All concentrations of VOCs and metals were less than the CERCLA Remediation Goals for all wells in the well OW-21A Corrective Action Area (see Figures 16 and 19).

- **Pesticides and Semi-Volatile Organic Compounds:** At well OW-21A, concentrations of one pesticide (parathion) and one SVOC (4-nitrophenol) exceeded CERCLA Remediation Goals (see Figure 17). The concentration of parathion at well OW-21A is consistent with historical data (see Appendix E) and based on the Mann-Kendall statistical trend analysis is “probably decreasing” over time (see Figure G.6 in Appendix G). The concentration of 4-nitrophenol at well OW-21A decreased relative to the concentration detected in 2020 (see Appendix E), but remains stable since 2004 (i.e., excluding the initial anomalous non-detect result in 2003) based on the Mann-Kendall statistical trend analysis (see Figure G.1 in Appendix G).
- **PCB Aroclors:** PCB Aroclors were detected in groundwater samples collected from three of the four wells sampled in the well OW-21A Corrective Action Area (OW-21A, T-04, and T-09; see Figure 18). At well T-04, located hydraulically upgradient of OW-21A, total PCBs were reported at a concentration of 58.75 µg/L. At well T-09, located hydraulically downgradient of OW-21A, total PCBs were reported at a concentration of 2.6 µg/L (average of duplicate samples). Based on the Mann-Kendall statistical trend analysis, no trends in the PCB concentrations at well T-04 or at well T-09 have yet been established.

At well OW-21A, PCBs were reported at a total concentration of 73.8 µg/L, after a detection of 35 µg/L in 2020 and non-detect result in 2019. The 2021 concentration is consistent with more recent historical results that have varied within an approximate order of magnitude range between 30 µg/L and 300 µg/L. Mann-Kendall trend analysis continues to indicate a “decreasing” concentration trend for PCBs at OW-21A (see Figure G.4 of Appendix G).

4.2.3.2 Well OW-10 Corrective Action Area

- **Volatile Organic Compounds:** All concentrations of VOCs were less than the CERCLA Remediation Goals for all wells in the well OW-10 Corrective Action Area (see Figure 16).
- **PCB Aroclors:** At well OW-10, PCB Aroclors were not detected, representing the second consecutive occurrence of a non-detect result since the CERCLA monitoring program began in April 2017 (see Figure 18). At well T-20 located downgradient of OW-10, PCB Aroclors were not detected after a single PCB Aroclor (1248) was reported at a concentration of 1.1 µg/L in 2020.
- **Metals:** At well OW-10, beryllium, manganese and mercury concentrations exceeded the respective CERCLA Remediation Goals (see Figure 19). In the downgradient well T-20, manganese concentrations also exceeded the CERCLA Remediation Goal. Concentrations of beryllium, manganese, and mercury in the OW-10 area are consistent with previous data. After no detections of beryllium in 2020, the reported beryllium concentration of 4.5 J µg/L (only in the duplicate filtered sample) in 2021 is consistent with reported concentrations from 2017-2019.

4.2.3.3 Other Areas Within OU-3

Nine wells are sampled across OU-3 under the CERCLA Remedial Action Program for PCB Aroclors, PCB Homologs, and metals. As discussed in section 4.2, the RCRA Corrective Action Monitoring wells OW-16A and OW-08A are also sampled for one VOC and one SVOC, respectively, under the CERCLA Remedial Action Program. Results for sampling of these eleven wells within OU-3 are summarized below:

- **Volatile Organic Compounds:** A concentration of 350 µg/L was reported for 1,2,4-trichlorobenzene at well OW-16A, which exceeded the CERCLA Remediation Goal of 70 µg/L (see Figure 16).
- **Semi-Volatile Organic Compounds:** Indeno(1,2,3-cd)pyrene, the only compound analyzed at well OW-08A under the CERCLA Remedial Action program, was not detected (see Figure 17).
- **PCB Aroclors:** The concentrations of total PCB Aroclors were less than the reporting limit at four wells (i.e., WEL-01, WEL-04, OWR-03S, OWR-14D). Reported concentrations of total PCB Aroclors in unfiltered samples exceeded the CERCLA Remediation Goal of 0.5 µg/L at the other five wells (i.e., OWR-11, OWR-13, OWR-15D, T-6, and T-18; see Figure 18).
- **PCB Homologs:** Reported concentrations of total PCB Homologs in unfiltered samples were less than the reporting limit at one well, OWR-14D. Reported concentrations of total PCB Homologs in unfiltered samples exceeded the CERCLA Remediation Goal of 0.5 µg/L at the other two wells (OWR-13 and T-18; see Figure 18 and Table 5).
- **Metals:** Concentrations of cobalt and manganese were less than CERCLA Remediation Goals in all but one well, OWR-11 (see Figure 19).

5.0 EVALUATION OF CORRECTIVE ACTION SYSTEMS

5.1 Capture of Affected Groundwater

- **RCRA Groundwater Corrective Action:** Operation of IWs has successfully controlled migration of affected groundwater as demonstrated by cones of depression maintained by the interceptor wells at WMA II and SWMU 1 (see Figures 7a and 7b).
- **CERCLA RA:** In the Corrective Action Areas near wells OW-21A and OW-10, large drawdowns are maintained in the associated interceptor wells indicating recovery of impacted groundwater (see Figures 7a and 7b).

5.2 Corrective Action Systems Operation

A summary of the operation of the corrective action systems during calendar year 2021 is provided below:

- **WMA II, New Limestone Bed:** Groundwater was recovered from a total of 11 interceptor wells located immediately downgradient of WMA II (i.e., wells IW-16 through IW-25 and DW-01; see Figures 2a and 2b). Volumes of recovered groundwater are measured for the entire well network and totaled more than 0.66 million gallons during 2021 (see Table 6). Water is collected in a tank for subsequent on-site management.
- **SWMU 1, South Landfill:** More than 0.64 million gallons was recovered in 2021 from the 11 interceptor wells located along the western and northern sides of SWMU 1 (i.e., wells IW-02, IW-05 through IW-08, and IW-10 through IW-14A; see Table 6 and Figures 2a and 2b). Recovered groundwater is treated by filtration and granular activated carbon (GAC) in Carbon Treatment System (CTS) #3 (with the exception of well IW-14A, which discharges to CTS #2 for treatment). The treated groundwater from CTS #3 is discharged to the Anniston Water Works and Sewer Board (AWWSB) sewer system in accordance with State Indirect Discharge (SID) Permit Number IU350800048 (effective October 1, 2018). The volume of groundwater recovered by the system in 2021 is within the range of the previous five-year period when between 0.2 and 0.9 million gallons were recovered each year.

CTS #3 also treats water collected by the Cell 3E seep collection and conveyance system. In 2021, seep water treated at CTS #3 totaled approximately 0.27 million gallons (this volume is in addition to the volume of groundwater recovered by the SWMU 1 IWs).

- **Well OW-21A Corrective Action Area:** A total of more than .49 million gallons of groundwater was recovered from wells IW-26 and IW-27 located downgradient of well OW-21A (see Table 6 and Figures 2a and 2b). Water is treated by filtration and GAC in CTS #1, and the treated groundwater is discharged to the AWWSB sewer system per the SID permit (effective October 1, 2018).

- **Well OW-10 Corrective Action Area:** Approximately 122,700 gallons of groundwater were recovered from wells IW-28 and IW-29 located downgradient of well OW-10 (see Table 6 and Figures 2a and 2b). Water is treated by filtration and GAC in CTS #2, and the treated groundwater is discharged to the AWWSB sewer system per the SID permit (effective October 1, 2018).

5.3 Groundwater Monitoring Concentration Trend Analyses

To evaluate the effectiveness of the Corrective Action and Remedial Action systems for reducing COC concentrations in groundwater, trends of COC concentrations versus time have been analyzed. The Mann-Kendall statistical analysis was employed for this purpose.

5.3.1 Description of the Mann-Kendall Test

The Mann-Kendall test is a non-parametric statistical procedure that is well suited for analyzing trends in data over time (Gilbert, 1987; Aziz et al., 2003; Connor, 2014). The Mann-Kendall test can be viewed as a non-parametric test for zero slope of the first-order regression of time-ordered concentration data versus time. The Mann-Kendall test does not require any assumptions as to the statistical distribution of the data (e.g. normal, lognormal, etc.) and can be used with data sets which include irregular sampling intervals and missing data. The Mann-Kendall test is designed for analyzing a single groundwater constituent; multiple constituents are analyzed separately.

5.3.2 Interpretation of Mann-Kendall Test Results

The Coefficient of Variation (COV) is a statistical measure of how the individual data points vary about the mean value. Values less than or near 1.00 indicate that the data form a relatively close group about the mean value. Values larger than 1.00 indicate that the data show a greater degree of scatter about the mean.

The Mann-Kendall statistic (S) measures the trend in the data. Positive values indicate an increase in constituent concentrations over time, whereas negative values indicate a decrease in constituent concentrations over time. The strength of the trend is proportional to the magnitude of the Mann-Kendall Statistic (i.e., large magnitudes indicate a strong trend). The "Confidence in Trend" is the statistical confidence that the constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$). The "Concentration Trend" for each well is determined according to the decision matrix shown in Exhibit 3 below.

Exhibit 3. Mann-Kendall Analysis Decision Matrix

Mann-Kendall Statistic	Confidence in Trend	Concentration Trend
$S > 0$	$> 95\%$	Increasing
$S > 0$	90 - 95%	Probably Increasing
$S > 0$	$< 90\%$	No Trend
$S \leq 0$	$< 90\%$ and $COV \geq 1$	No Trend
$S \leq 0$	$< 90\%$ and $COV < 1$	Stable
$S < 0$	90 - 95%	Probably Decreasing
$S < 0$	95%	Decreasing

5.3.3 Mann-Kendall Analysis of OU-3 Groundwater Monitoring Data

The majority of the COCs monitored at OU-3 are either not detected above laboratory detection limits or are present at concentrations below applicable remedial limits; therefore, for most COCs, corrective action or remediation goals have already been achieved. For those COCs and monitoring locations where concentrations exceed remedial criteria, the Mann-Kendall trend analysis has been applied to evaluate overall plume stability and corrective action effectiveness for groundwater. The Mann-Kendall trend analysis has been applied to all COCs with concentrations that exceeded remedial criteria between 2017-2021 as summarized in Exhibit 4 below.

As summarized in Exhibit 4, a total of ten COCs at 17 monitoring locations have had concentrations exceeding remedial criteria between 2017 and 2021, resulting in trend calculation for 26 COC/well combinations. Where a trend has been established using the Mann-Kendall statistical analysis, 18 of the 26 trend results were Stable, Probably Decreasing, or Decreasing, while only 2 of the 26 trend results were Increasing. For the remaining 6 of the 26 trend results, no trend has been established due to low statistical confidence in the trend and/or high variability in the monitoring data. Four of the 6 “no trend” results are associated with CERCLA monitoring wells, which have only had five monitoring events (a minimum of four monitoring events is required to calculate a trend). Five additional trend results were unable to be calculated due to a preponderance of non-detect results.

Exhibit 4. Results of Mann-Kendall Statistical Analysis

Unit or Corrective Action Area/Well	Constituent of Concern	Mann-Kendall Statistic (S)	Confidence Factor	Concentration Trend
WMA II				
MW-20A	Pentachlorophenol	-336	>99.9%	Decreasing
OW-22	Total PCBs	64	95.2%	Increasing
	Total PCBs (Filtered)	--	--	Not Detected
SWMU 1				
OW-08A	Total PCBs	-82	88.4%	No Trend
	Total PCBs (Filtered)	--	--	Not Detected
OW-15	Total PCBs	141	98.1%	Increasing
	Total PCBs (Filtered)	--	--	Not Detected
OW-16A	Total PCBs	2	50.6%	No Trend
	Total PCBs (Filtered)	--	--	Not Detected
	1,2,4-TCB	-3	67.5%	Stable
OW-21A Area				
OW-21A	4-Nitrophenol	4	54.1%	No Trend
	O,O,O-TEPP	-28	82.5%	Stable
	Total PCBs	-67	99.0%	Decreasing
	Parathion	-41	90.2%	Prob. Dec.
T-04	Total PCBs	4	75.8%	No Trend
T-09	Total PCBs	6	88.3%	No Trend
OW-10 Area				
OW-10	Total PCBs	-7	92.1%	Prob. Dec.
	Manganese	-4	75.8%	Stable
	Mercury	0	40.8%	Stable
	Beryllium	-2	59.2%	Stable
T-20	Total PCBs	--	--	Not Detected
	Manganese	-8	95.8%	Decreasing
Other Areas Within OU-3				
OWR-11	Total PCBs	-2	59.2%	Stable
	Cobalt	-7	92.1%	Prob. Dec.
	Manganese	-5	82.1%	Stable
OWR-13	Total PCBs	4	75.8%	No Trend
OWR-14D	Total PCBs	-4	75.8%	Stable
OWR-15D	Total PCBs	-2	59.2%	Stable
T-06	Total PCBs	0	40.8%	Stable
T-18	Total PCBs	-4	75.8%	Stable
WEL-01	Total PCBs	-1	50.0%	Stable

Notes:

1. See Appendix G for complete Mann-Kendall results.
2. Prob. Dec. = Probably Decreasing
3. O,O,O-TEPP = O,O,O-Triethylphosphorothioate
4. 1,2,4-TCB = 1,2,4-Trichlorobenzene; only analyzed in OW-16A per CERCLA
5. Not Detected = More than 75% of the sample results for this constituent in this well are non-detect, so a trend was not calculated to avoid calculating a trend on detection limits.

5.4 Conclusions

At WMA II and SWMU 1, concentrations of all COCs exceeding the respective RCRA Remedial Goals evidence a decreasing, stable, or no trend, with exception of OW-15 and OW-22, both of which are discussed further below. Overall, the calculated trends are generally consistent with the trends previously presented. At OW-15, associated with SWMU 1, and at OW-22, associated with WMA II, an increasing trend is calculated for total PCBs (unfiltered). At both locations, these results appear to be a function of high variability and numerous non-detects in the early monitoring period between 1998 and 2008. Since 2009, PCB concentrations measured in OW-15 have been consistently between approximately 1 and 6 µg/L, and at OW-22 consistently between approximately 0.5 and 1.6 µg/L, with both wells having occasional non-detect PCB results (see Figure G.3 in Appendix G). The filtered samples in both wells have been all non-detect, further demonstrating the effectiveness of the groundwater remediation efforts for SWMU 1.

Trends for monitoring wells in the CERCLA Corrective Action Areas also evidence decreasing, probably decreasing, stable, or no trend. At OWR-13, the trend changed from “Increasing” to “No Trend” following lower reported PCB concentrations in 2021 relative to those reported in 2020. At OW-10, PCBs were not detected for the second consecutive annual monitoring event, demonstrating effectiveness of groundwater recovery efforts in this area. In summary, the trend data indicate that the Corrective Action Systems and the Remedial Action are both progressing toward applicable cleanup limits by achieving predominantly declining or stable concentrations of COCs in groundwater.

2021 ANNUAL GROUNDWATER DETECTION MONITORING AND CORRECTIVE ACTION EFFECTIVENESS REPORT

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

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TABLE 1
WELL DESIGNATIONS FOR GROUNDWATER MONITORING PROGRAMS

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

WELL NUMBER	WELL TYPE	UNIT(S) BEING MONITORED
RCRA Permit Designated Wells		
DW-01	Recovery	WMA II, SWMU 8
IW-02	Recovery	SWMU 1
IW-05	Recovery	SWMU 1
IW-06	Recovery	SWMU 1
IW-07	Recovery	SWMU 1
IW-08	Recovery	SWMU 1
IW-10	Recovery	SWMU 1
IW-11	Recovery	SWMU 1
IW-12	Recovery	SWMU 1
IW-13	Recovery	SWMU 1
IW-14A	Recovery	SWMU 1
IW-16	Recovery	WMA II, SWMU 8
IW-17	Recovery	WMA II, SWMU 8
IW-18	Recovery	WMA II, SWMU 8
IW-19	Recovery	WMA II, SWMU 8
IW-20	Recovery	WMA II, SWMU 8
IW-21	Recovery	WMA II, SWMU 8
IW-22	Recovery	WMA II, SWMU 8
IW-23	Recovery	WMA II, SWMU 8
IW-24	Recovery	WMA II, SWMU 8
IW-25	Recovery	WMA II, SWMU 8
MW-01B	Background	WMA I, WMA II, SWMU 1
MW-08	Boundary & Effectiveness	WMA II
MW-09A	Boundary & Effectiveness	WMA II
MW-11A	Point of Compliance	WMA I
MW-12A	Point of Compliance	WMA I
MW-13A	Point of Compliance	WMA I
MW-14	Boundary & Effectiveness	WMA II
MW-15	Point of Compliance	WMA II, SWMU 8
MW-16	Point of Compliance	WMA II, SWMU 8
MW-20A	Point of Compliance	WMA II, SWMU 8
OW-06A	Boundary & Effectiveness	SWMU 1
OW-08A	Boundary & Effectiveness	SWMU 1
OW-15	Boundary & Effectiveness	SWMU 1
OW-16A	Boundary & Effectiveness	SWMU 1
OW-21A	Boundary & Effectiveness	WMA II
OW-22	Boundary & Effectiveness	WMA II

TABLE 1
WELL DESIGNATIONS FOR GROUNDWATER MONITORING PROGRAMS

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

WELL NUMBER	WELL TYPE	UNIT(S) BEING MONITORED
CERCLA Remedial Action Wells		
IW-26	Recovery Well	OW-10 Corrective Action Area
IW-27	Recovery Well	OW-10 Corrective Action Area
IW-28	Recovery Well	OW-10 Corrective Action Area
IW-29	Recovery Well	OW-10 Corrective Action Area
OW-10	Cap & Cover Effectiveness, Expanded Extraction System Performance	OW-10 Corrective Action Area, Area A
OWR-03S	Isolated Detection	OU-3
OWR-11	Cap & Cover Effectiveness	Area A
OWR-13	Cap & Cover Effectiveness	Area B and E
OWR-14D	Isolated Detection	OU-3
OWR-15D	Isolated Detection	OU-3
T-04	Isolated Detection	OU-3
T-06	Isolated Detection	OU-3
T-09	Expanded Extraction System Performance	OW-10 Corrective Action Area
T-10	Expanded Extraction System Performance	OW-21A Corrective Action Area
T-18	Cap & Cover Effectiveness	Area G
T-20	Expanded Extraction System Performance	OW-10 Corrective Action Area
WEL-01	Isolated Detection	OU-3
WEL-04	Isolated Detection	OU-3

Notes:

- Well locations are shown on Figure 2.
- Wells OW-6, OW-8, and OW-16 were replaced with wells OW-6A, OW-8A, and OW-16A in March 1998.
 Wells MW-9, IW-14, and OW-21 were replaced with wells MW-9A, IW-14A, and OW-21A in February 2003.
- Well types and units are specified in the RCRA Post-Closure Permit No. ALD 004 019 048 issued 21 July 2020 and the OU-3 Performance Standards Verification Sampling and Analysis/Quality Assurance Project Plan issued January 2015.
- CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 OU = Operable Unit
 OW = Observation Well
 RCRA = Resource Conservation and Recovery Act
 SWMU = Solid Waste Management Unit
 WMA = Waste Management Area

TABLE 2
WELL SAMPLING FREQUENCY AND ANALYTICAL PROGRAM

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Analyses	Analytes
RCRA Permit Designated Wells - April Sampling Event		
MW-01B	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury
MW-11A	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
MW-12A	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
MW-13A	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
MW-08	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury
MW-09A	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury

TABLE 2
WELL SAMPLING FREQUENCY AND ANALYTICAL PROGRAM

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
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Well ID	Analyses	Analytes
RCRA Permit Designated Wells - May Sampling Event (Continued)		
MW-14	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
MW-15	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
		Aroclors
		Parathion
	Pesticides	Tetraethyldithiopyrophosphate
		Cobalt
	Metals	Mercury
	Mercury	Mercury
MW-15 (Filtered)	PCBs	Aroclors
	Metals	Cobalt
	Mercury	Mercury
MW-16	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
MW-16 (Filtered)	Metals	Cobalt
	Mercury	Mercury
	Mercury	Mercury

TABLE 2
WELL SAMPLING FREQUENCY AND ANALYTICAL PROGRAM

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Analyses	Analytes
RCRA Permit Designated Wells - May Sampling Event (Continued)		
MW-20A	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		Pentachlorophenol
		2,4,6-Trichlorophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury
MW-20A (Filtered)	PCBs	Aroclors
OW-06A	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury
OW-08A	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		Indeno(1,2,3-cd)pyrene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
		Manganese
	Mercury	Mercury
OW-08A (Filtered)	PCBs	Aroclors
	Metals	Cobalt
		Manganese
	Mercury	Mercury

TABLE 2
WELL SAMPLING FREQUENCY AND ANALYTICAL PROGRAM

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Analyses	Analytes
RCRA Permit Designated Wells - May Sampling Event (Continued)		
OW-15	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
OW-15 (Filtered)	Metals	Cobalt
	Mercury	Mercury
OW-16A	PCBs	Aroclors
	Metals	Cobalt
	Mercury	Mercury
	VOCs	Chlorobenzene
	SVOCs	1,2,4-Trichlorobenzene
		1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
OW-16A (Filtered)	O,O,O-Triethylphosphorothioate	
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
OW-16A (Filtered)		Manganese
	Mercury	Mercury
OW-21A	PCBs	Aroclors
	Pesticides	Parathion
	Tetraethyldithiopyrophosphate	
	Metals	Cobalt
		Manganese
	Mercury	Mercury

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Well ID	Analyses	Analytes
RCRA Permit Designated Wells - May Sampling Event (Continued)		
OW-21A (Filtered)	PCBs	Aroclors
	Metals	Cobalt
		Manganese
	Mercury	Mercury
OW-22	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury
OW-22 (Filtered)	PCBs	Aroclors
	Metals	Cobalt
	Mercury	Mercury
Trip Blank (3 samples)	VOCs	Chlorobenzene
		1,2,4-Trichlorobenzene
Field Duplicate 1 (1 sample)	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		Pentachlorophenol
		2,4,6-Trichlorophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury
MS/MSD (1 set)	VOCs	Chlorobenzene
	SVOCs	1,2-Dichlorobenzene
		1,4-Dichlorobenzene
		4-Nitrophenol
		Pentachlorophenol
		2,4,6-Trichlorophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	Mercury	Mercury

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Well ID	Analyses	Analytes
CERCLA Remedial Action Wells - May Sampling Event		
OW-10	VOCs	Trichloroethene
	PCBs	Aroclors
	Metals	Beryllium
		Manganese
	Mercury	Mercury
OW-10 (Filtered)	PCBs	Aroclors
	Metals	Beryllium
		Manganese
	Mercury	Mercury
OWR-03S	PCBs	Aroclors
OWR-11	PCBs	Aroclors
	Metals	Cobalt
		Manganese
OWR-11 (Filtered)	PCBs	Aroclors
	Metals	Cobalt
		Manganese
OWR-13	PCBs	Aroclors
	PCB Homologs	PCB Homologs
OWR-13 (Filtered)	PCBs	Aroclors
	PCB Homologs	PCB Homologs
OWR-14D	PCBs	Aroclors
	PCB Homologs	PCB Homologs
	Metals	Manganese
OWR-14D (Filtered)	PCBs	Aroclors
	PCB Homologs	PCB Homologs
	Metals	Manganese
OWR-15D	PCBs	Aroclors
OWR-15D (Filtered)	PCBs	Aroclors
T-04	PCBs	Aroclors
	Metals	Manganese
T-04 (Filtered)	PCBs	Aroclors
	Metals	Manganese
T-06	PCBs	Aroclors
T-06 (Filtered)	PCBs	Aroclors
T-09	SVOCs	4-Nitrophenol
	PCBs	Aroclors
	Pesticides	Parathion
T-09 (Filtered)	PCBs	Aroclors
T-10	SVOCs	4-Nitrophenol
	PCBs	Aroclors
	Pesticides	Parathion

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Well ID	Analyses	Analytes
CERCLA Remedial Action Wells - May Sampling Event (Continued)		
T-18	PCBs	Aroclors
	PCB Homologs	PCB Homologs
T-18 (Filtered)	PCBs	Aroclors
	PCB Homologs	PCB Homologs
T-20	PCBs	Aroclors
	Metals	Manganese
	Mercury	Mercury
T-20 (Filtered)	Metals	Manganese
WEL-01	PCBs	Aroclors
	Metals	Manganese
WEL-01 (Filtered)	PCBs	Aroclors
	Metals	Manganese
WEL-04	PCBs	Aroclors
	Metals	Manganese
WEL-04 (Filtered)	PCBs	Aroclors
	Metals	Manganese
Trip Blank (2 samples)	VOCs	Trichloroethene
Field Duplicate 2	PCBs	Aroclors
	PCB Homologs	PCB Homologs
	Metals	Manganese
Field Duplicate 2 (Filtered)	PCBs	Aroclors
	PCB Homologs	PCB Homologs
	Metals	Manganese
Field Duplicate 3	SVOCs	4-Nitrophenol
	PCBs	Aroclors
	Pesticides	Parathion
Field Duplicate 4	VOCs	Trichloroethene
	PCBs	Aroclors
	Metals	Beryllium
	Mercury	Manganese
Field Duplicate 4 (Filtered)	Mercury	Mercury
	PCBs	Aroclors
	Metals	Beryllium
	Mercury	Manganese
MS/MSD (1 set)	Mercury	Mercury
	VOCs	Trichloroethene
	PCBs	Aroclors
	Metals	Beryllium
		Manganese
		Mercury

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Well ID	Analyses	Analytes
RCRA Permit Designated Wells - October Sampling Event		
MW-01B	VOCs	Chlorobenzene
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
MW-11A	Metals	Cobalt
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
MW-12A	Pesticides	Parathion
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
MW-13A	PCBs	Aroclors
	Pesticides	Parathion
	SVOCs	4-Nitrophenol
MW-15		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
MW-16		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	VOCs	Chlorobenzene
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
MW-20A	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
	VOCs	Chlorobenzene
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
Trip Blank (1 sample)	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate

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Well ID	Analyses	Analytes
RCRA Permit Designated Wells - October Sampling Event (Continued)		
Field Duplicate (1 sample)	VOCs	Chlorobenzene
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt
MS/MSD (1 set)	VOCs	Chlorobenzene
	SVOCs	4-Nitrophenol
		O,O,O-Triethylphosphorothioate
	PCBs	Aroclors
	Pesticides	Parathion
		Tetraethyldithiopyrophosphate
	Metals	Cobalt

Notes:

1. Methods:

VOCs = 8260	PCB Homologs = 680	Mercury = 7470
SVOCs = 8270	Pesticides = 8141	
PCBs = 8082	Metals (Be, Mn, Co) = 6010	

2. CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act

MS/MSD = Matrix Spike/Matrix Duplicate

PCBs = Polychlorinated biphenyls

RCRA = Resource Conservation and Recovery Act

SVOCs = Semi-volatile organic compound

VOCs = Volatile organic compound

TABLE 3
GROUNDWATER FIELD PARAMETERS

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
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WELL ID	SAMPLE DATE	SAMPLE TIME	TEMPERATURE (°C)	pH	SPECIFIC CONDUCTANCE (µmhoS/cm)	TURBIDITY (NTU)	DISSOLVED OXYGEN (mg/L)	ORP (mV)
May 2021								
MW-01B	4/14/2021	9:55	11.6	4.60	28.6	101.0	9.81	253.0
MW-08	4/14/2021	17:46	17.2	6.16	385.5	8.37	2.17	356.7
MW-09A	4/14/2021	13:27	19.2	4.85	115.8	4.30	4.92	351.5
MW-11A	4/14/2021	10:36	16.6	7.58	248.2	30	5.55	276.0
MW-12A	4/13/2021	16:20	16.6	7.49	258.8	1.40	6.55	182.5
MW-13A	4/13/2021	16:43	11.8	7.35	349.6	0.54	6.67	171.6
MW-14	4/14/2021	16:10	12	6.13	288.9	557	0.70	200.3
MW-15	4/16/2021	9:22	17.8	5.92	294.9	2.48	3.80	227.4
MW-16	4/15/2021	15:28	20	4.54	49.2	16.4	0.71	256.3
MW-20A	4/16/2021	10:00	12.9	6.85	1301.0	57.9	1.01	-10.8
OW-06A	4/14/2021	18:38	11.7	4.62	43.6	2.34	8.80	243.6
OW-08A	4/15/2021	12:16	16.8	6.09	243.8	5.58	3.93	226.2
OW-10	4/17/2021	9:17	12.6	6.16	964.0	4.88	6.06	165.1
OW-15	4/16/2021	11:24	17.8	5.19	107.8	0.58	4.77	195.0
OW-16A	4/15/2021	10:17	16.7	4.85	163.6	8.47	0.45	265.6
OW-21A	4/15/2021	10:19	13.1	4.31	131.0	11.20	0.83	179.6
OW-22	4/17/2021	12:01	18.9	4.34	80.6	26.60	2.27	353.6
OWR-11	4/19/2021	10:38	12.7	4.01	388.2	21.7	11.66	311.2
OWR-13	4/19/2021	16:25	17.06	5.59	209.2	30.1	8.89	157.8
OWR-14D	4/19/2021	15:36	20.4	7.03	634.0	57.9	2.09	167.7
OWR-15D	4/19/2021	9:31	17.6	5.22	199.8	1.42	3.15	200.4
OWR-3S	4/15/2021	13:08	14	4.88	134.8	16.1	1.48	207.4
T-04	4/17/2021	15:54	18	6.15	223.1	5.83	3.38	247.4
T-06	4/19/2021	12:20	19.6	7.07	928.0	4.6	0.66	178.8
T-09	4/17/2021	15:27	13.3	5.76	255.3	14.0	3.59	154.8
T-10	4/14/2021	15:35	17.6	4.30	206.2	37.8	4.65	235.3
T-18	4/19/2021	12:58	14.9	5.44	273.4	24.7	0.44	64.5
T-20	4/17/2021	9:17	18	3.77	274.1	1.09	4.52	405.2
WEL-01	4/20/2021	7:44	16.1	4.70	80.8	5.44	6.53	320.8
WEL-04	4/20/2021	7:44	12.4	5.08	77.4	4.01	6.98	202.3
October 2020								
MW-01B	10/13/2021	11:47	18.02	5.17	23	145	6.39	146.0
MW-11A	10/13/2021	14:52	18.3	7.65	590	40.5	6.8	-47.9
MW-12A	10/13/2021	16:12	16.7	7.8	511	5.41	5	75.2
MW-13A	10/12/2021	12:07	16.8	6.94	369.5	0.57	4.46	149.0
MW-15	10/13/2021	18:02	21.6	5.6	803	4.68	2.95	-150.3
MW-16	10/12/2021	16:38	20.3	4.19	51.9	7.64	1.1	191.3
MW-20A	10/12/2021	13:37	22.8	6.72	1311	7.69	0.48	-77.3

Notes:

- Well locations are shown on Figure 2.
- Samples collected in May and October 2019 analyzed by GSI Environmental Inc., Houston, Texas using a YSI ProPlus, Hanna HI 98703, and Geotech Turbidimeter instruments.
- > = Greater than.
 °C = Degrees Celsius
 mg/L = Milligrams/liter
 mV = Millivolts
 NTU = Nephelometric Turbidity Unit
 ORP = Oxidation reduction potential
 µmhoS/cm = Micromhos/centimeter

TABLE 4
GROUNDWATER ELEVATION MEASUREMENTS
April and October 2021

Solutia Inc., Anniston, Alabama
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Well ID	Total Boring Depth (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water (ft btoc)		Water Level Elevation (ft msl)		Measured Total Depth (ft btoc)
			April 2021 (Note 2)	October 2021 (Note 3)	April 2021	October 2021	April 2021 & October 2021 (Note 2 and 3)
Observation Wells							
OW-01	26	812.71	11.72	P&A	800.99	P&A	P&A
OW-02	24	807.69	8.29	10.59	799.40	797.10	37.11
OW-03	24	805.25	12.06	13.71	793.19	791.54	26.77
OW-04	27	798.57	12.46	10.88	786.11	787.69	32.33
OW-05	65	773.02	15.33	P&A	757.69	P&A	P&A
OW-06A	43	791.62	42.80	41.21	748.82	750.41	52.19
OW-07	43	785.82	38.92	P&A	746.90	P&A	P&A
OW-08A	22	749.16	8.57	12.68	740.59	736.48	25.34
OW-09	40	738.36	8.48	P&A	729.88	P&A	P&A
OW-10	40	736.87	10.92	12.29	725.95	724.58	39.76
OW-11	14	825.36	0.26	P&A	825.10	P&A	P&A
OW-12	34.5	835.34	Obstruction	P&A	Obstruction	P&A	P&A
OW-13	43	805.16	Dry	P&A	Dry	P&A	45.70
OW-14	46	806.98	Dry	P&A	Dry	P&A	46.89
OW-15	40	766.90	8.76	9.86	758.14	757.04	45.11
OW-16	30	781.51	12.02	P&A	769.49	P&A	P&A
OW-16A	30	779.74	10.96	11.73	768.78	768.01	35.21
OW-17	47	812.29	Dry	P&A	Dry	P&A	46.08
OW-18	28	750.47	9.85	P&A	740.62	P&A	P&A
OW-19	33	748.72	8.68	9.05	740.04	739.67	27.12
OW-20	23	747.62	6.96	P&A	740.66	P&A	P&A
OW-21A	35	744.46	12.29	14.39	732.17	730.07	37.98
OW-22	35	745.57	12.62	14.51	732.95	731.06	39.43
OW-23	23	747.53	7.59	P&A	739.94	P&A	P&A
OW-24	29	738.67	8.21	8.38	730.46	730.29	30.34
OW-25	37	800.21	13.51	P&A	786.70	P&A	P&A

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Well ID	Total Boring Depth (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water (ft btoc)		Water Level Elevation (ft msl)		Measured Total Depth (ft btoc)
			April 2021 (Note 2)	October 2021 (Note 3)	April 2021	October 2021	April 2021 & October 2021 (Note 2 and 3)
Bedrock Wells							
BR-01	311	897.46	274.02	P&A	623.44	P&A	P&A
BR-02	181	865.22	Dry	P&A	Dry	P&A	176.98
BR-03	258	827.58	164.02	P&A	663.56	P&A	P&A
BR-04	220	790.74	117.99	P&A	672.75	P&A	P&A
BR-05	224	764.10	75.34	P&A	688.76	P&A	P&A
Site Assessment Wells							
SA-06	50	815.56	28.65	P&A	786.91	P&A	P&A
SA-22	24	792.84	8.68	P&A	784.16	P&A	P&A
SA-64	24	748.65	17.94	P&A	730.71	P&A	P&A
SA-85 (CB-85)	30	736.37	7.24	P&A	729.13	P&A	P&A
Shallow Bedrock Wells							
SBP-01	157	758.17	76.24	P&A	681.93	P&A	P&A
SBP-02	140	749.40	69.25	P&A	680.15	P&A	P&A
SBP-03	102	744.41	64.29	P&A	680.12	P&A	P&A
SBP-04	148	761.30	78.76	P&A	682.54	P&A	P&A
SBP-05	140	755.88	75.12	P&A	680.76	P&A	P&A
West End Landfill Wells							
WEL-01	33	778.80	9.68	22.18	769.12	756.62	34.64
WEL-02	35	775.35	9.33	P&A	766.02	P&A	P&A
WEL-03	35	771.73	12.46	P&A	759.27	P&A	P&A
WEL-04	51	765.94	28.76	27.09	737.18	738.85	51.05
Monitoring Wells							
MW-01A	56	884.49	Dry	P&A	Dry	P&A	43.92
MW-01B	63	881.59	30.44	35.77	851.15	845.82	63.71
MW-07	24	744.18	11.34	P&A	732.84	P&A	P&A
MW-08	27	746.80	8.88	11.63	737.92	735.17	30.62
MW-09A	33	751.02	18.74	21.31	732.28	729.71	36.22

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Well ID	Total Boring Depth (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water (ft btoc)		Water Level Elevation (ft msl)		Measured Total Depth (ft btoc)
			April 2021 (Note 2)	October 2021 (Note 3)	April 2021	October 2021	April 2021 & October 2021 (Note 2 and 3)
Monitoring Wells (continued)							
MW-11	29	783.74	16.25	P&A	767.49	P&A	P&A
MW-11A	114	784.13	95.18	92.93	688.95	691.20	112.35
MW-12	50	785.77	5.63	P&A	780.14	P&A	P&A
MW-12A	112	785.69	97.17	94.93	688.52	690.76	115.21
MW-13	50	782.24	19.78	P&A	762.46	P&A	P&A
MW-13A	110	782.01	94.05	91.86	687.96	690.15	115.29
MW-14	28	751.30	11.18	11.79	740.12	739.51	26.74
MW-15	25	756.19	11.66	10.84	744.53	745.35	NM
MW-16	68	755.70	26.55	26.61	729.15	729.09	70.90
MW-20A	24	752.90	8.58	8.52	744.32	744.38	25.61
Piezometers							
PZ-08	49.9	750.51	24.09	P&A	726.42	P&A	P&A
PZ-09	55	749.71	7.10	P&A	742.61	P&A	P&A
PZ-10	55	756.06	20.93	P&A	735.13	P&A	P&A
PZ-11	50	750.71	16.97	P&A	733.74	P&A	P&A
RFI Piezometers							
PZR-01	60	806.91	55.83	P&A	751.08	P&A	P&A
PZR-02	60	805.86	53.40	P&A	752.46	P&A	P&A
PZR-03	61	805.05	54.39	P&A	750.66	P&A	P&A
PZR-04	60	803.94	55.13	P&A	748.81	P&A	P&A
PZR-05	46	755.73	9.35	P&A	746.38	P&A	P&A
PZR-06	46	757.09	9.48	P&A	747.61	P&A	P&A
SSSMA Wells							
NW-1	54	827.40	27.23	27.20	800.17	800.20	43.13
SW-1	52	902.95	15.81	19.58	887.14	883.37	54.77
Other Wells							
DOP-1	300	747.49	62.22	P&A	685.27	P&A	P&A
DW-01	96	753.88	NM	NM	NM	NM	NM

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 Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Total Boring Depth (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water (ft btoc)		Water Level Elevation (ft msl)		Measured Total Depth (ft btoc)
			April 2021 (Note 2)	October 2021 (Note 3)	April 2021	October 2021	April 2021 & October 2021 (Note 2 and 3)
Other Wells (continued)							
CMW-1	28.5	720.40	27.23	8.34	693.17	712.06	31.16
CMW-2	22.5	716.69	10.62	10.95	706.07	705.74	25.26
CMW-3	27.0	710.22	12.09	13.95	698.13	696.27	30.40
East SSSMA	15.0	829.70	9.42	10.22	820.28	819.48	16.72
West SSSMA	15.3	827.90	12.24	14.41	815.66	813.49	16.41
T Wells							
T-01	45	732.72	31.69	31.86	701.03	700.86	41.15
T-02	44	751.13	17.53	17.79	733.60	733.34	46.36
T-03	25	747.09	10.49	12.76	736.60	734.33	24.50
T-04	25	743.28	9.07	11.18	734.21	732.10	26.32
T-05	145	767.16	91.79	P&A	675.37	P&A	P&A
T-06	150	761.96	82.31	79.92	679.65	682.04	127.03
T-09	37	745.46	13.91	17.35	731.55	728.11	39.86
T-10	35	740.20	15.92	17.56	724.28	722.64	39.17
T-18	28	762.78	4.57	4.30	758.21	758.48	26.56
T-19	39	758.51	17.96	19.23	740.55	739.28	41.99
T-20	40	731.61	5.01	6.95	726.60	724.66	37.45
RFI Observation Wells							
OWR-01D	65	739.59	48.17	P&A	691.42	P&A	P&A
OWR-01S	35	738.89	11.91	13.22	726.98	725.67	36.98
OWR-02D	110	756.99	76.00	P&A	680.99	P&A	P&A
OWR-02S	35	757.46	7.46	8.52	750.00	748.94	38.18
OWR-03D	65	759.76	Dry	P&A	Dry	P&A	66.96
OWR-03S	35	760.48	9.56	9.49	750.92	750.99	37.28
OWR-04D	80	746.03	65.12	P&A	680.91	P&A	P&A
OWR-05D	68	804.93	52.81	P&A	752.12	P&A	P&A
OWR-07D	65	774.49	46.00	P&A	728.49	P&A	P&A

TABLE 4
GROUNDWATER ELEVATION MEASUREMENTS
April and October 2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Total Boring Depth (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water (ft btoc)		Water Level Elevation (ft msl)		Measured Total Depth (ft btoc)
			April 2021 (Note 2)	October 2021 (Note 3)	April 2021	October 2021	April 2021 & October 2021 (Note 2 and 3)
RFI Observation Wells (continued)							
OWR-08S	35	755.17	14.11	P&A	741.06	P&A	P&A
OWR-09S	50	753.09	48.14	40.32	704.95	712.77	52.54
OWR-10	49	769.95	16.91	21.65	753.04	748.30	51.95
OWR-11	35	744.26	10.05	9.35	734.21	734.91	37.50
OWR-12	37	763.20	15.68	16.01	747.52	747.19	39.91
OWR-13	36	769.45	16.51	19.39	752.94	750.06	38.92
OWR-14D	81	782.11	70.29	69.68	711.82	712.43	83.02
OWR-15D	64	781.44	13.31	14.42	768.13	767.02	66.91
Interceptor Wells							
IW-01	26	821.18	2.95	2.17	818.23	819.01	28.08
IW-02	25	815.27	22.15	21.80	793.12	793.47	27.00
IW-03	25	810.59	9.98	13.22	800.61	797.37	28.21
IW-04	25	799.88	2.66	7.11	797.22	792.77	25.81
IW-05	68	805.46	55.16	55.11	750.30	750.35	70.81
IW-06	68	803.84	51.35	49.27	752.49	754.57	69.11
IW-07	40	794.63	27.31	37.68	767.32	756.95	42.18
IW-08	39.5	798.02	31.92	31.98	766.10	766.04	40.22
IW-09	50	801.03	Dry	48.11	Dry	752.92	51.27
IW-10	68	801.93	55.90	49.91	746.03	752.02	67.11
IW-11	68	804.62	59.75	59.64	744.87	744.98	70.37
IW-12	50	797.86	43.66	43.22	754.20	754.64	52.14
IW-13	50	795.74	36.06	36.11	759.68	759.63	51.21
IW-14A	49.4	746.70	44.63	44.73	702.07	701.97	48.51
IW-15	45	756.73	6.80	8.30	749.93	748.43	38.12
IW-16	50	746.82	36.68	37.13	710.14	709.69	45.20
IW-17	50	746.65	42.80	43.11	703.85	703.54	49.56
IW-18	50	748.63	26.12	26.32	722.51	722.31	47.89

TABLE 4
GROUNDWATER ELEVATION MEASUREMENTS
April and October 2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Total Boring Depth (ft bgs)	Top of Casing Elevation (ft msl)	Depth to Water (ft btoc)		Water Level Elevation (ft msl)		Measured Total Depth (ft btoc)
			April 2021 (Note 2)	October 2021 (Note 3)	April 2021	October 2021	April 2021 & October 2021 (Note 2 and 3)
Interceptor Wells (Continued)							
IW-19	50	749.31	26.03	31.60	723.28	717.71	48.31
IW-20	50	750.70	28.91	27.01	721.79	723.69	49.29
IW-21	50	752.45	37.70	37.70	714.75	714.75	53.76
IW-22	39.9	743.23	29.96	26.38	713.27	716.85	36.42
IW-23	50	745.20	40.71	NM	704.49	NM	46.49
IW-24	40	745.86	8.80	4.16	737.06	741.70	36.14
IW-25	40	751.96	31.82	34.40	720.14	717.56	36.62
IW-26	35	731.90	25.00	25.00	706.90	706.90	28.53
IW-27	35	731.90	25.00	25.00	706.90	706.90	29.19
IW-28	38	726.70	27.70	27.70	699.00	699.00	40.92
IW-29	38	726.70	27.70	27.70	699.00	699.00	40.23

Notes:

- Well locations are shown on Figure 2.
- April 2021 depths to water and total depths measured on 12-20 April 2021.
- October 2021 depths to water and total depths measured on 11-13 October 2021.
- ft bgs = Feet below ground surface
 ft btoc = Feet below top of casing
 ft msl = Feet above mean sea level
 NM= Not Measured
 P&A=Plugged and Abandoned prior to Oct. 2021, so depth to water or total depth was not measured.
- Water elevations for interceptor wells IW-26, IW-27, IW-28, and IW-29 are shown as the elevation of the "pump on" level control sensor for each well. Downhole equipment and wiring interferes with direct measurement and water elevations are maintained at or below this elevation during normal system operation.

TABLE 5
RESULTS OF GROUNDWATER TESTING: DETECTED ANALYTES
April and October 2021 Sampling

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

		<i>RCRA Background Well</i>			<i>RCRA Groundwater Detection Monitoring</i>							
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	CASNo.	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
				EFFLUENT	MW-01B	MW-01B	MW-11A	MW-11A	MW-12A	MW-12A	MW-13A	MW-13A
				4/20/2021	4/14/2021	10/13/2021	4/14/2021	10/13/2021	4/13/2021	10/13/2021	4/13/2021	10/12/2021
				No	No	No	No	No	No	No	No	No
				N	N	N	N	N	N	N	N	N
				Purge Water	MW-01B	MW-01B	MW-11A	MW-11A	MW-12A	MW-12A	MW-13A	MW-13A
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B												
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	<1	<1	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8270D and 8270D LL												
1,2-Dichlorobenzene	95-50-1	612	--	-	<1	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	<1	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	<25	<25	<25	<25	<25	<25	<25	<25
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	<10	<10	<10	<10	12 J	<10	<10	<10
PCBs, Aroclor Specific by Method 8081B/8082A												
Aroclor 1221	11104-28-2	--	--	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5
PCBs, Homolog Specific by Method 680												
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B												
Parathion	56-38-2	75	85	-	<1	<1	<1	<1	<1	<1	<1	<1
Metals by Methods 6010C and 7470A												
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	<10	<10	-	-	-	-	-	-
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	-	<0.2	-	-	-	-	-	-	-

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
 H = Sample was prepped or analyzed beyond the specified holding time;
 -- = not applicable;
 - = not analyzed.

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SVOCs = Semi-volatile organic compound

VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
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TABLE 5
RESULTS OF GROUNDWATER TESTING: DETECTED ANALYTES
April and October 2021 Sampling

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:		RCRA Groundwater Detection Monitoring										
		RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
				MW-08	MW-09A	MW-14	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16
				4/14/2021	4/14/2021	4/14/2021	4/16/2021	4/16/2021	10/13/2021	4/15/2021	4/15/2021	10/12/2021
				No	No	No	No	Yes	No	No	Yes	No
				N	N	N	N	N	N	N	N	N
				MW-08	MW-09A	MW-14	MW-15	MW-15F	MW-15	MW-16	MW-16F	MW-16
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B												
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	<1	<1	<1	<1	-	<1	<1	-	<1
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8270D and 8270D LL												
1,2-Dichlorobenzene	95-50-1	612	--	<1	<1	<1	<1	-	-	<1	-	-
1,4-Dichlorobenzene	106-46-7	77	--	<1	<1	<1	<1	-	-	<1	-	-
4-Nitrophenol	100-02-7	128	125	<25	<25	<25	<25	-	<25	120	-	35
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	<10	<10	<10	-	<10	87	-	52
PCBs, Aroclor Specific by Method 8081B/8082A												
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J
PCBs, Homolog Specific by Method 680												
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B												
Parathion	56-38-2	75	85	<1	<1	<1	<1	-	<1	<1 J	-	<1
Metals by Methods 6010C and 7470A												
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese	7439-96-5	--	880	-	-	39	-	-	-	-	-	-
Mercury	7439-97-6	2	2	<0.2	<0.2	<0.2	0.24	0.36	-	0.21	<0.2	-

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
 H = Sample was prepped or analyzed beyond the specified holding time;
 -- = not applicable;
 - = not analyzed.

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SVOCs = Semi-volatile organic compound

VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 RCRA = Resource Conservation and Recovery Act

TABLE 5
RESULTS OF GROUNDWATER TESTING: DETECTED ANALYTES
April and October 2021 Sampling

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

				RCRA Groundwater Detection Monitoring							
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	OW-06A	OW-08A	OW-08A	
			4/16/2021	4/16/2021	4/16/2021	10/12/2021	10/12/2021	4/14/2021	4/15/2021	4/15/2021	
			No	Yes	No	No	No	No	No	Yes	
			N	N	Dup	N	Dup	N	N	N	
			MW-20A	MW-20AF	Field Duplicate 1	MW-20A	Duplicate	OW-06A	OW-08A	OW-08AF	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B											
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	2.1	-	2.1	2.1	2.1	<1	<1	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	
SVOCs by Methods 8270D and 8270D LL											
1,2-Dichlorobenzene	95-50-1	612	--	2.6 J	-	2.6 J	-	-	<1	<1	
1,4-Dichlorobenzene	106-46-7	77	--	1.3 J	-	1.2 J	-	-	<1	<1 J	
4-Nitrophenol	100-02-7	128	125	<25	-	<25	<25	<25	<25	<8 J	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	66	-	69	78 J	75 J	<10	<1	
PCBs, Aroclor Specific by Method 8081B/8082A											
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.2	
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.5	
PCBs, Homolog Specific by Method 680											
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	
Pesticides by Methods 8141B											
Parathion	56-38-2	75	85	<1	-	<1	<1	<1 H	<1	<1	
Metals by Methods 6010C and 7470A											
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	<10	-	<10	<10	<10	<10	<10	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	<10	
Mercury	7439-97-6	2	2	<0.2	-	<0.2	-	-	<0.2	<0.2	

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
 H = Sample was prepped or analyzed beyond the specified holding time;
 -- = not applicable;
 - = not analyzed.

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SVOCs = Semi-volatile organic compound

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TABLE 5
RESULTS OF GROUNDWATER TESTING: DETECTED ANALYTES
April and October 2021 Sampling

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:		RCRA Groundwater Detection Monitoring									
		RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
				OW-15	OW-15	OW-16A	OW-16A	OW-21A	OW-21A	OW-22	OW-22
				4/16/2021	4/16/2021	4/15/2021	4/15/2021	4/15/2021	4/15/2021	4/17/2021	4/17/2021
				No	Yes	No	Yes	No	Yes	No	Yes
				N	N	N	N	N	N	N	N
				OW-15	OW-15F	OW-16A	OW-16AF	OW-21A	OW-21AF	OW-22	OW-22 F
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B											
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	350	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	<1	-	<1.3	-	<13	-	<1	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-
SVOCs by Methods 8270D and 8270D LL											
1,2-Dichlorobenzene	95-50-1	612	--	2 J	-	2.4 J	-	17 J	-	<1	-
1,4-Dichlorobenzene	106-46-7	77	--	<1	-	1.9 J	-	<5.3	-	<10	-
4-Nitrophenol	100-02-7	128	125	<25	-	<25	-	18000	-	<25	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	-	<10	-	270	-	<10	-
PCBs, Aroclor Specific by Method 8081B/8082A											
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	83	1.8 J	15	<0.5	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	29	<0.5 J	40	<0.5	1.6	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	15	<0.5 J	17	<0.5	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5 J	1.8	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	127	1.8 J	73.8	<0.5	1.6	<0.5
PCBs, Homolog Specific by Method 680											
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B											
Parathion	56-38-2	75	85	<1	-	9.3	-	3300 J	-	<1 J	-
Metals by Methods 6010C and 7470A											
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	<10	<10	40	40	35	34	<10	<10
Manganese	7439-96-5	--	880	-	-	840	860	880	820	-	-
Mercury	7439-97-6	2	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
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 PCBs = Polychlorinated biphenyls
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VOCs = Volatile organic compound
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April and October 2021 Sampling

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	CERCLA Remedial Action									
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			OW-10	OW-10	OW-10	OW-10	OW-10	OW-03S	OWR-11	OWR-11	OWR-13	OWR-13
			4/17/2021	4/17/2021	4/17/2021	4/17/2021	4/17/2021	4/15/2021	4/19/2021	4/19/2021	4/19/2021	4/19/2021
			No	Yes	No	Yes	No	No	Yes	No	Yes	Yes
			N	N	Dup	Dup	N	N	N	N	N	N
			OW-10	OW-10 F	Field Duplicate 4	Field Duplicate 4 F	OWR-3S	OWR-11	OWR-11 F	OWR-13	OWR-13 F	OWR-13 F
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B												
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	3.9	-	4	-	-	-	-	-	-
SVOCs by Methods 8270D and 8270D LL												
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A												
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	140	46	<0.5 J	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	140	<0.5	<0.5 J	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	23	8.5 J	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	16	<0.5	5.5 J	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	3.5	1.2	1.7 J	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	299.5	70.2	15.7 J	<0.5
PCBs, Homolog Specific by Method 680												
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	<0.1	<0.1
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	0.51	<0.3
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	0.7	<0.2
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	<0.1	<0.1
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	4.5	0.39
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	6.3	0.59
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	0.3	<0.1
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	12.31	0.98
Pesticides by Methods 8141B												
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A												
Beryllium	7440-41-7	--	4	<4	<4 J	<4	4.5 J	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	150	150	-	-
Manganese	7439-96-5	--	880	1200	1300	1200	1300	-	3200	3100	-	-
Mercury	7439-97-6	2	2	3.6	4.1 J	4.1	6.4 J	-	-	-	-	-

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
 H = Sample was prepped or analyzed beyond the specified holding time;
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 - = not analyzed.

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
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TABLE 5
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April and October 2021 Sampling

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

				CERCLA Remedial Action							
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-15D	OWR-15D	T-04	T-04	
			4/19/2021	4/19/2021	4/19/2021	4/19/2021	4/19/2021	4/19/2021	4/17/2021	4/17/2021	
			No	Yes	No	Yes	No	Yes	No	Yes	
			N	N	Dup	Dup	N	N	N	N	
			OWR-14D	OWR-14D F	Field Duplicate 2	Field Duplicate 2 F	OWR-15 D	OWR-15 DF	T-04	T-04 F	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B											
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	
SVOCs by Methods 8270D and 8270D LL											
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A											
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	20	6.4	<0.5	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	46	
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12	
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.75	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	20	6.4	58.75	
PCBs, Homolog Specific by Method 680											
Dichlorobiphenyl	25512-42-9	--	--	<0.1	<0.1	<0.1	<0.1	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	<0.3	<0.3	<0.3	<0.3	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	<0.2	<0.2	<0.2	<0.2	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	<0.1	<0.1	<0.1	<0.1	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	<0.2	<0.2	<0.2	<0.2	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	0.29	<0.2	0.22	<0.2	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	0.19	<0.1 J	0.15	0.1 J	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	0.48	<0.5	0.37	0.1 J	-	-	-	
Pesticides by Methods 8141B											
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	
Metals by Methods 6010C and 7470A											
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	
Manganese	7439-96-5	--	880	16	<10 J	17	22 J	-	-	180	
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	

Notes:

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- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
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 Consent Decree Docket No. 1:02-ec-0749-KOB

				CERCLA Remedial Action							
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			T-06	T-06	T-09	T-09	T-09	T-10	T-18	T-18	
			4/19/2021	4/19/2021	4/17/2021	4/17/2021	4/17/2021	4/14/2021	4/19/2021	4/19/2021	
			No	Yes	No	Yes	No	No	No	Yes	
			N	N	N	N	Dup	N	N	N	
			T-06	T-06 F	T-09	T-09 F	Field Duplicate 3	T-10	T-18	T-18 F	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B											
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	
SVOCs by Methods 8270D and 8270D LL											
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	-	<25	-	<25	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A											
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	25 J	10
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5 J	<0.5
Aroclor 1248	12672-29-6	--	--	1.9	<0.5	2.9	<0.5	2.3	<0.5 J	<0.5 J	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5 J	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5 J	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	1.9	<0.5	2.9	<0.5	2.3	<0.5 J	25 J	10
PCBs, Homolog Specific by Method 680											
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	18	1.7
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	<0.3	<0.3
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	<0.2	<0.2
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	60	25
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	<0.2	<0.2
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	<0.2	<0.2
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	0.73	0.42
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	78.73	27.12
Pesticides by Methods 8141B											
Parathion	56-38-2	75	85	-	-	<1 J	-	<1 J	<1	-	-
Metals by Methods 6010C and 7470A											
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
 H = Sample was prepped or analyzed beyond the specified holding time;
 -- = not applicable;
 - = not analyzed.

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SVOCs = Semi-volatile organic compound

VOCs = Volatile organic compound
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 Consent Decree Docket No. 1:02-ec-0749-KOB

				CERCLA Remedial Action					
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			T-20	T-20	WEL-01	WEL-01	WEL-04	WEL-04	
			4/17/2021	4/17/2021	4/20/2021	4/20/2021	4/20/2021	4/20/2021	
			No	Yes	No	Yes	No	Yes	
			N	N	N	N	N	N	
T-20	T-20 F	WEL-01	WEL-01 F	WEL-04	WEL-04 F				
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B									
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-
SVOCs by Methods 8270D and 8270D LL									
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A									
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCBs, Homolog Specific by Method 680									
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-
Pesticides by Methods 8141B									
Parathion	56-38-2	75	85	-	-	-	-	-	-
Metals by Methods 6010C and 7470A									
Beryllium	7440-41-7	--	4	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-
Manganese	7439-96-5	--	880	2600	2500	12	10	60	36
Mercury	7439-97-6	2	2	<0.2	-	-	-	-	-

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A is required for CERCLA. Concentrations of 1,2,4-Trichlorobenzene compared to CERCLA Remediation Goals.
- J = Estimated concentration;
 H = Sample was prepped or analyzed beyond the specified holding time;
 -- = not applicable;
 - = not analyzed.

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SVOCs = Semi-volatile organic compound

VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 RCRA = Resource Conservation and Recovery Act

TABLE 6
VOLUMES OF GROUNDWATER RECOVERED DURING 2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Month	WMA II Corrective Action System (note 1; gallons)	Well OW-21A Corrective Action Area (note 2; gallons)	Well OW-10 Corrective Action Area (note 3; gallons)	SWMU 1 Wells (note 4; gallons)
January	52,828	44,374	1,500	44,589
February	56,472	122,258	16,300	90,393
March	52,100	106,478	9,800	92,416
April	55,314	17,615	7,300	55,241
May	64,386	19,458	9,000	65,353
June	70,700	16,025	11,000	67,074
July	78,100	19,874	18,239	92,023
August	47,200	5,408	12,389	37,524
September	45,780	20,533	13,414	31,334
October	48,520	39,200	7,600	18,218
November	41,767	33,797	6,094	13,879
December	48,333	48,993	10,117	37,437
Total (2021)	661,500	494,013	122,753	645,481

Notes:

1. WMA II (New Limestone Bed) recovered groundwater volume represents flow from wells IW-16 through IW-25 and DW-01.
2. Well OW-21A Corrective Action Area recovered groundwater volume represents flow from wells IW-26 and IW-27.
3. Well OW-10 Corrective Action Area recovered groundwater volume represents flow from wells IW-14A, IW-28, and IW-29. The flow meter in CTS #2 was not working properly between in early 2021 and was replaced in June 2021. The recovered volumes for January - June at the OW-10 Corrective Action Area, rounded to the nearest 100 gallons, are based on well run-time meter readings and a pumping rate of 4 gpm.
4. SWMU 1 recovered groundwater volume represents flow from wells IW-02, IW-05 through IW-08, and IW-10 through IW-13.
5. CTS = Carbon Treatment System
 SWMU = Solid Waste Management Unit
 WMA = Waste Management Area

TABLE 7
MONTHLY RAINFALL 2017-2021

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Month	2017	2018	2019	2020	2021
January	7.55	2.01	6.91	10.08	3.95
February	2.97	7.71	10.13	12.53	5.19
March	4.25	5.99	2.45	10.54	6.91
April	5.99	4.26	4.42	7.90	2.98
May	5.27	3.91	2.50	5.63	7.02
June	8.11	4.13	6.35	4.88	11.34
July	4.94	5.76	4.01	3.04	9.35
August	5.66	5.07	1.96	4.33	5.54
September	4.03	4.77	0.44	2.84	3.68
October	6.85	2.04	8.92	5.64	3.08
November	1.32	8.13	4.22	2.13	2.16
December	3.44	11.66	4.48	3.40	6.74
Total (inches)	60.38	65.44	56.79	72.94	67.94

Notes:

1. Rainfall data obtained from on-site rain gauge.
2. Monthly rainfall measured in inches.

TABLE 8
REFERENCES

**2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report**

RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

- Aziz, J.J., M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, 2003. "MAROS: A Decision Support System for Optimizing Monitoring Plans", *Ground Water*, 41(3):355-367, 2003.
- Connor, J. A., S. K. Farhat, and M. Vanderford, 2014. GSI Mann-Kendall toolkit for quantitative analysis of plume concentration trends. *Groundwater* 52, No. 6: 819-820.
- Freeze, R.A. and J.A. Cherry, 1979. *Groundwater*, Englewood Cliffs, New Jersey: Prentice-Hall, Inc..
- Gilbert, R. O., 1987. *Statistical Methods for Environmental Pollution Monitoring*, Van Nostrand Reinhold, New York, NY, ISBN 0-442-23050-8.
- Solutia, Inc., 2007. "RCRA Part B Post-Closure Permit Application," ALD 004 019 048, Revision 1, Anniston Facility, Alabama, March 2007.
- Solutia, Inc. and Pharmacia Corporation, 2008. "Response to Comments and Revised Report, Remedial Investigation Report for Operable Unit 3," Solutia Inc., Anniston, Alabama, 8 July 2008.
- Solutia, 2015a. "OU-3 Performance Standards Verification Sampling and Analysis/Quality Assurance Project Plan," Solutia Inc., Anniston, Alabama, January 2015.
- Solutia, 2015b. "Operable Unit 3 Final Remedial Action Work Plan," Solutia Inc., Anniston, Alabama, June 2015.
- Solutia, 2017a. "2016 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report," Solutia Inc., Anniston, Alabama, EPA ID No. ALD 004 019 048, February 2017.
- Solutia, 2017b. "Operable Unit 3 Construction Completion Report," Solutia Inc., Anniston, Alabama, December 2017.
- Solutia, 2018. "RCRA Post-Closure Permit Renewal Application," Solutia Inc., Anniston, Alabama, RCRA Post-Closure Permit ALD 004 019 048, 2 May 2018.
- Solutia, 2021. "Monitoring Well Abandonment Report," Solutia Inc., Anniston, Alabama, December 2021.
- United States Environmental Protection Agency, 2017. *National Functional Guidelines for Organic Superfund Methods Data Review*, Office of Superfund Remediation and Technology Innovation (OSRTI), Washington, DC, January 2017.

2021 ANNUAL GROUNDWATER DETECTION MONITORING AND CORRECTIVE ACTION EFFECTIVENESS REPORT

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

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Figure 6	West-East Cross-Section
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Figure 8	Potentiometric Surface Map: Deep Residuum, April 2021
Figure 9	Potentiometric Surface Map: Shallow Bedrock, April 2021
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Figure 11	Results of 2021 RCRA Groundwater Corrective Action Monitoring at WMA II and SWMU I: Volatile Organic Compounds
Figure 12	Results of 2021 RCRA Groundwater Corrective Action Monitoring at WMA II and SWMU I: Semi-Volatile Organic Compounds
Figure 13	Results of 2021 RCRA Groundwater Corrective Action Monitoring at WMA II and SWMU I: PCBs
Figure 14	Results of 2021 RCRA Groundwater Corrective Action Monitoring at WMA II and SWMU I: Pesticides
Figure 15	Results of 2021 RCRA Groundwater Corrective Action Monitoring at WMA II and SWMU I: Metals
Figure 16	Results of 2021 CERCLA Performance Verification Sampling at OU-3: Volatile Organic Compounds
Figure 17	Results of 2021 CERCLA Performance Verification Sampling at OU-3: Pesticides and Semi-Volatile Organic Compounds
Figure 18	Results of 2021 CERCLA Performance Verification Sampling at OU-3: PCBs
Figure 19	Results of 2021 CERCLA Performance Verification Sampling at OU-3: Metals

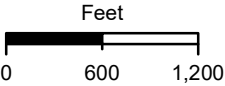


LEGEND

 Operable Unit 3 (OU-3) boundary

Notes

- 1. Projected Coordinate System: NAD 1983, UTM Zone 16N (meters).
- 2. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



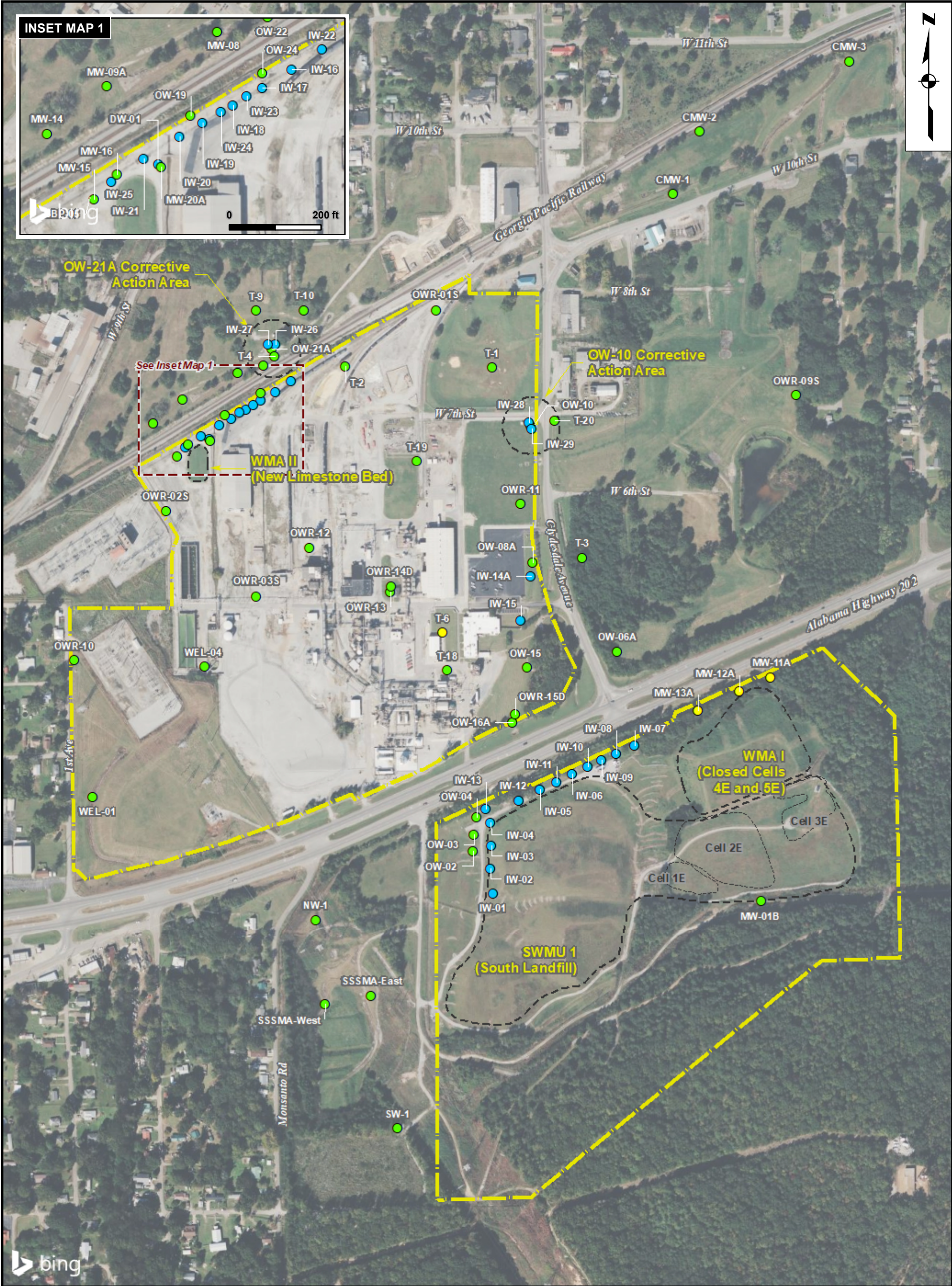
GSI Job No.	6122
Issued:	13-Apr-2022
Revised:	
Map ID:	001_01
Drawn By:	CDM
Reviewed By:	WBS
Approved By:	TMM

FIGURE 1



SITE LOCATION MAP

2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report
Solutia Inc.
Anniston, Alabama



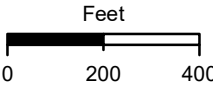


LEGEND

-  Residuum well
-  Operable Unit 3 (OU-3) boundary
-  Unit addressed by RCRA Permit (approximate boundary)
-  Area addressed by CERCLA Remedial Action

Notes

1. Approximate locations of site features shown.
2. Note that Table IV.4 of RCRA permit issued 19 July 2019 indicates that SWMU 1 has been referred to EPA.
3. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



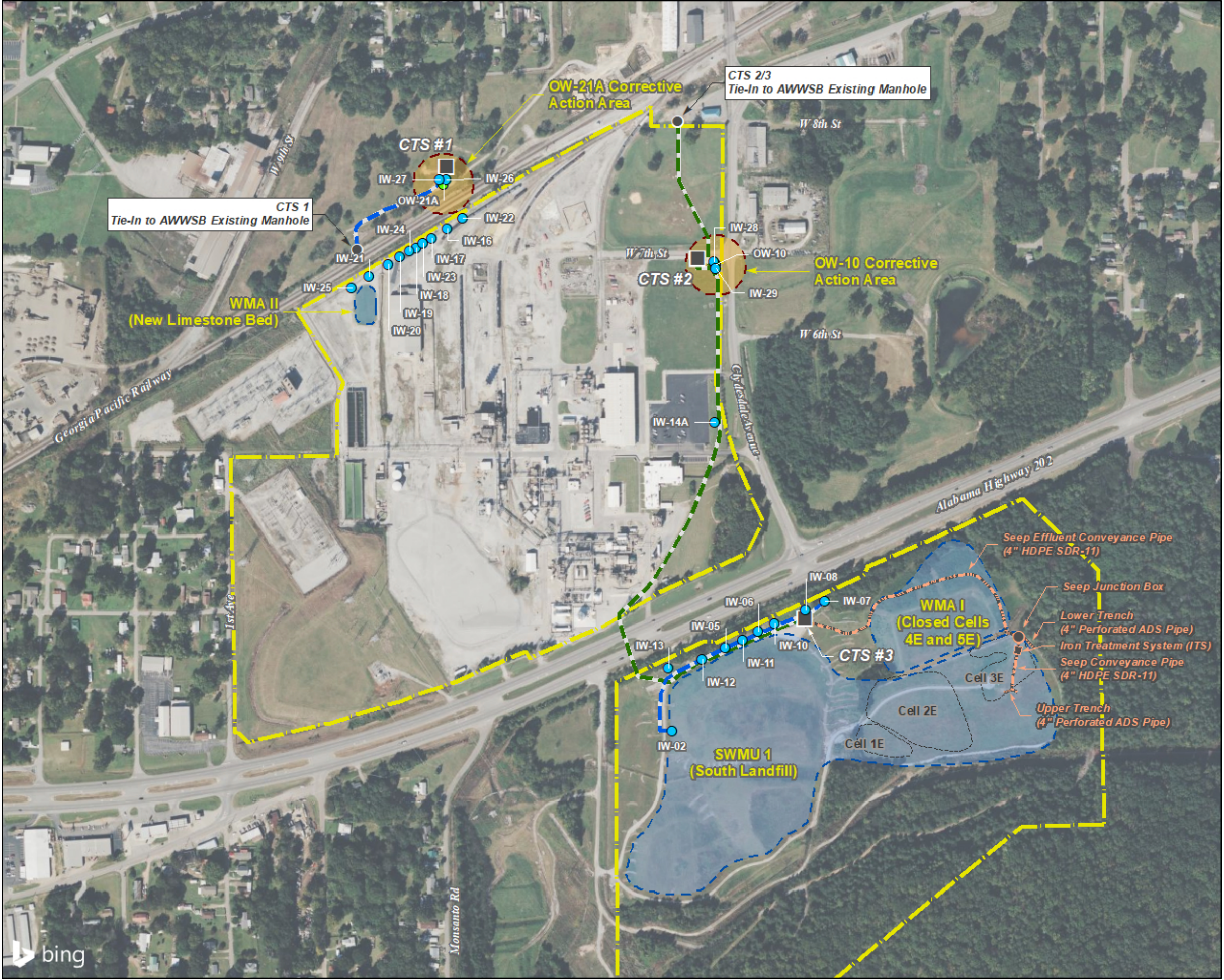
**GROUNDWATER MONITORING AND
CORRECTIVE ACTION AREAS**

**2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report**

Solutia Inc.
Anniston, Alabama

Map ID:	001_03	Appv'd By:	TMM
Issued:	13-Apr-2022	Chk'd By:	WBS
GSI Job No.	6122	Drawn By:	CDM

FIGURE 3

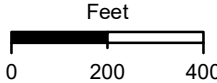


LEGEND

- Residuum well
- Interceptor well
- 3-inch HDPE SDR-11 Pipe
- 2-inch HDPE SDR-11 Pipe
- Above Grade Piping
- Operable Unit 3 (OU-3) boundary
- Unit addressed by RCRA Permit (approximate boundary)
- Area addressed by CERCLA Remedial Action

Notes

1. Approximate locations of site features shown.
2. Note that Table IV.4 of RCRA permit issued 19 July 2019 indicates that SWMU 1 has been referred to EPA.
3. AWWSB = Anniston Water Works & Sewer Board.
4. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



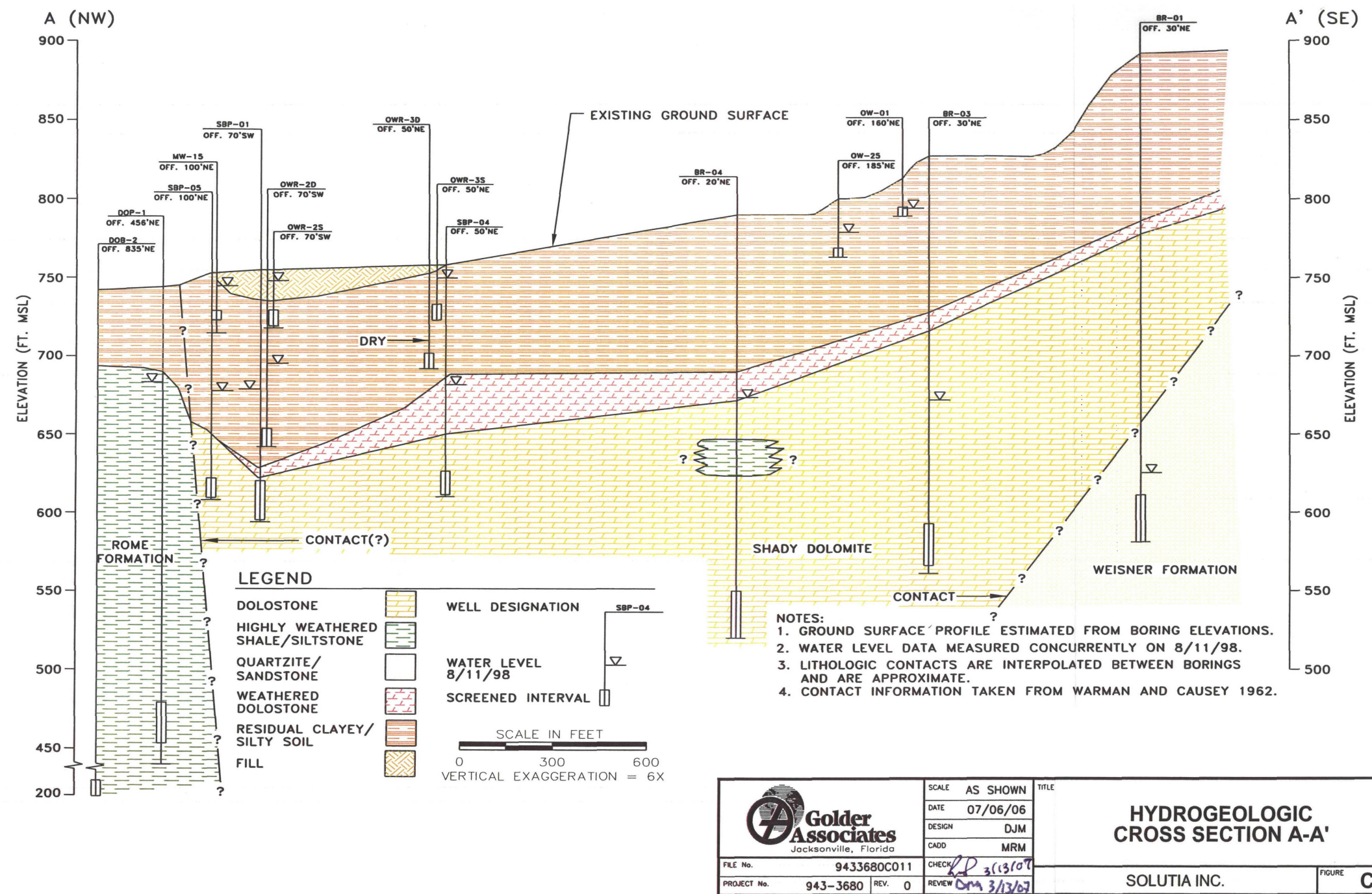
CORRECTIVE ACTION SYSTEMS

**2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report**

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_04	Appv'd By:	TMM

FIGURE 4



GSI
ENVIRONMENTAL

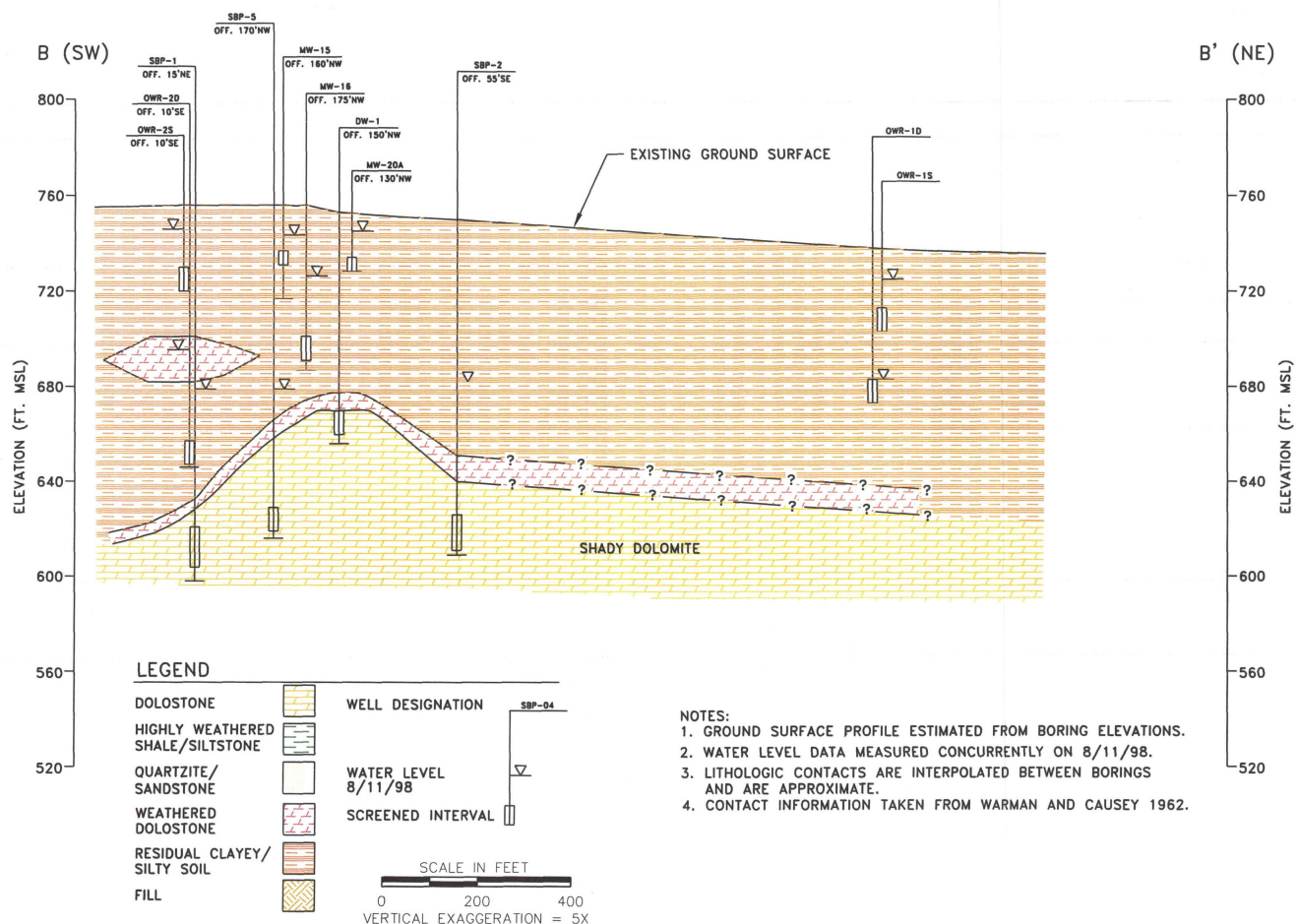
NORTH-SOUTH CROSS-SECTION
2020 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report
 Solutia Inc.
 Anniston, Alabama

INSET MAP



Inset Scale (ft.)

0 750 1500



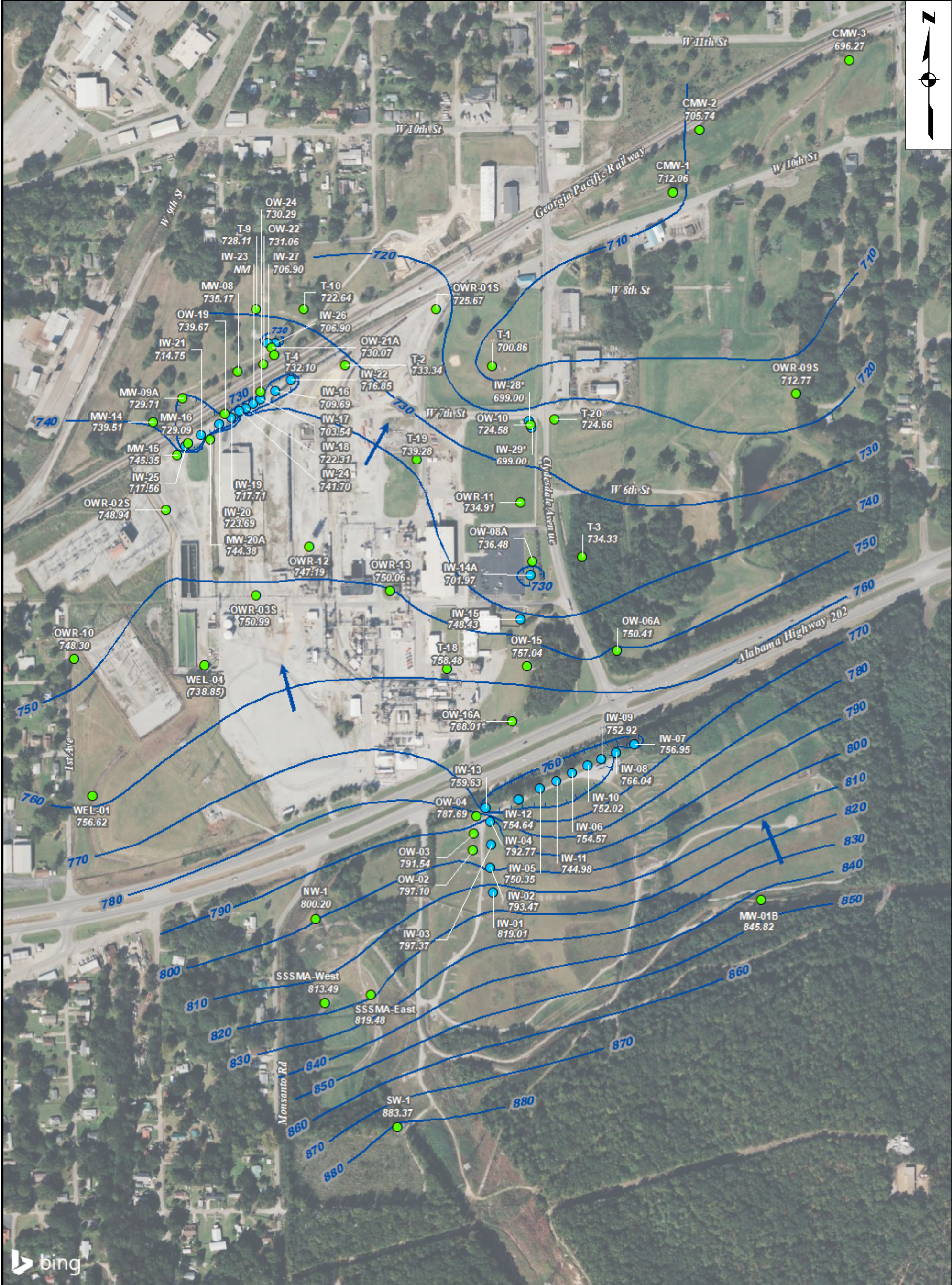
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	DESIGN	DJM	
	CADD	MRM	
FILE No.	9433680C012	CHECK	3/13/07
PROJECT No.	943-3680	REV.	0
SOLUTIA INC.			FIGURE C-5

Source: Solutia, Inc., 2007. "RCRA Part B Post-Closure Permit Application," ALD 004 019 048, Revision 1, Anniston Facility, Alabama, March 2007.



GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Scale:	As Shown	Apr'd By:	TMM
Map ID:	001_06	FIGURE 6	

WEST-EAST CROSS-SECTION
2020 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report
Solutia Inc.
Anniston, Alabama



LEGEND

Shallow Residuum

Interceptor

(695.18)

Value not used for contouring

Operable Unit 3 (OU-3) boundary

- 760 -

Potentiometric surface contour (ft msl), dashed where inferred

General groundwater flow direction

Notes

1. * = The contours depicted have been drawn to illustrate the overall flow field. Therefore, high-density contours associated with cones of depression around interceptor wells are not shown.

2. Projected Coordinate System: NAD 1983, UTM Zone 16N (meters).

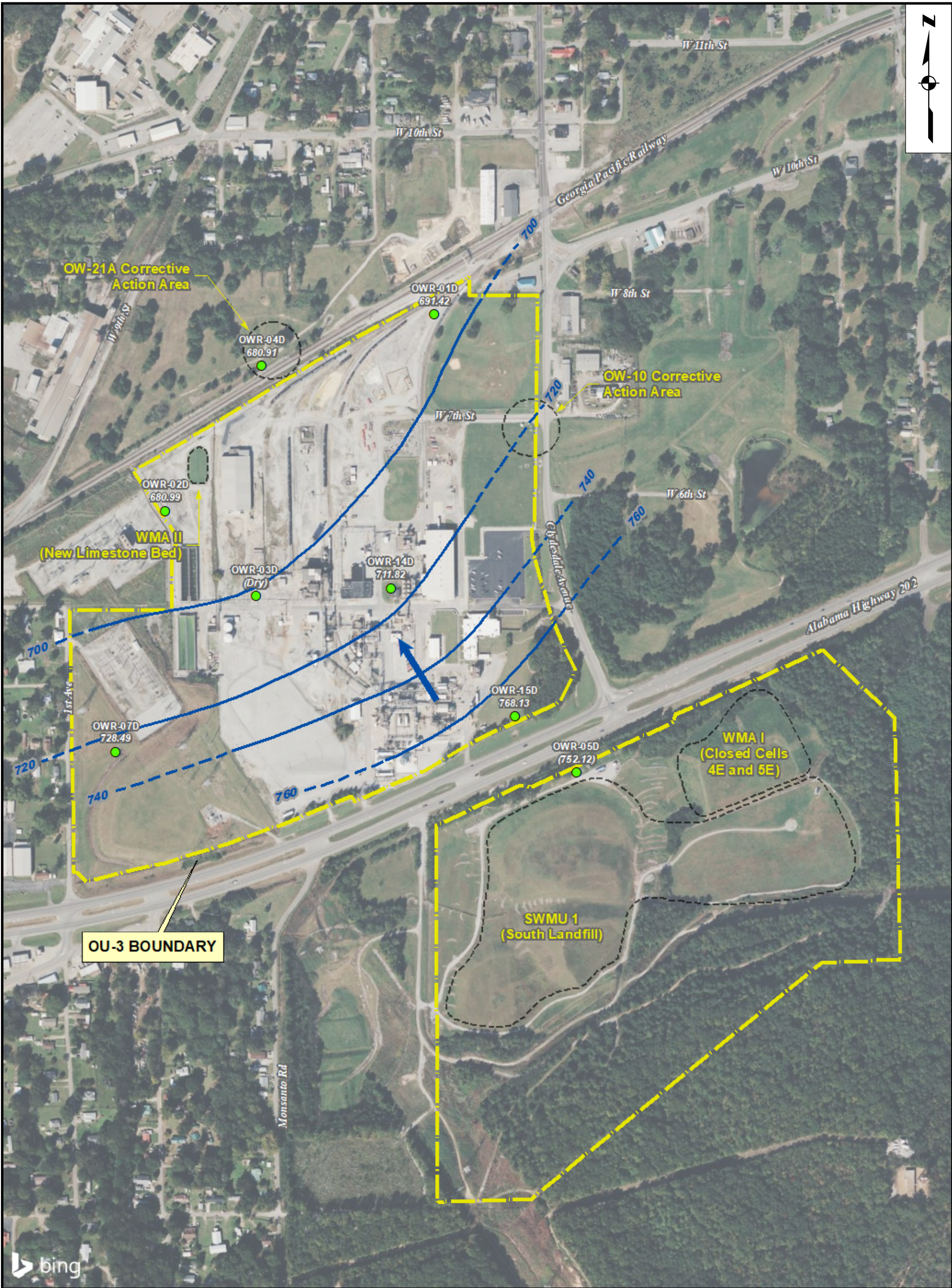
3. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).

GSI Job No.	6122
Issued:	13-Apr-2022
Revised:	
Map ID:	001_07
Drawn By:	CDM
Reviewed By:	WBS
Approved By:	TMM
FIGURE 7b	

POTENTIOMETRIC SURFACE
MAP: SHALLOW RESIDUUM,
OCTOBER 2021

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Corrective Action Effectiveness Report

Solutia Inc.
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LEGEND

- (752.12)

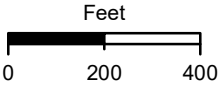
Deep Residuum

Value not used for contouring
- Operable Unit 3 (OU-3) boundary
- 760 -

Potentiometric surface contour (ft msl),
dashed where inferred
- General groundwater flow direction

Notes

1. Projected Coordinate System: NAD 1983, UTM Zone 16N (meters).
2. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



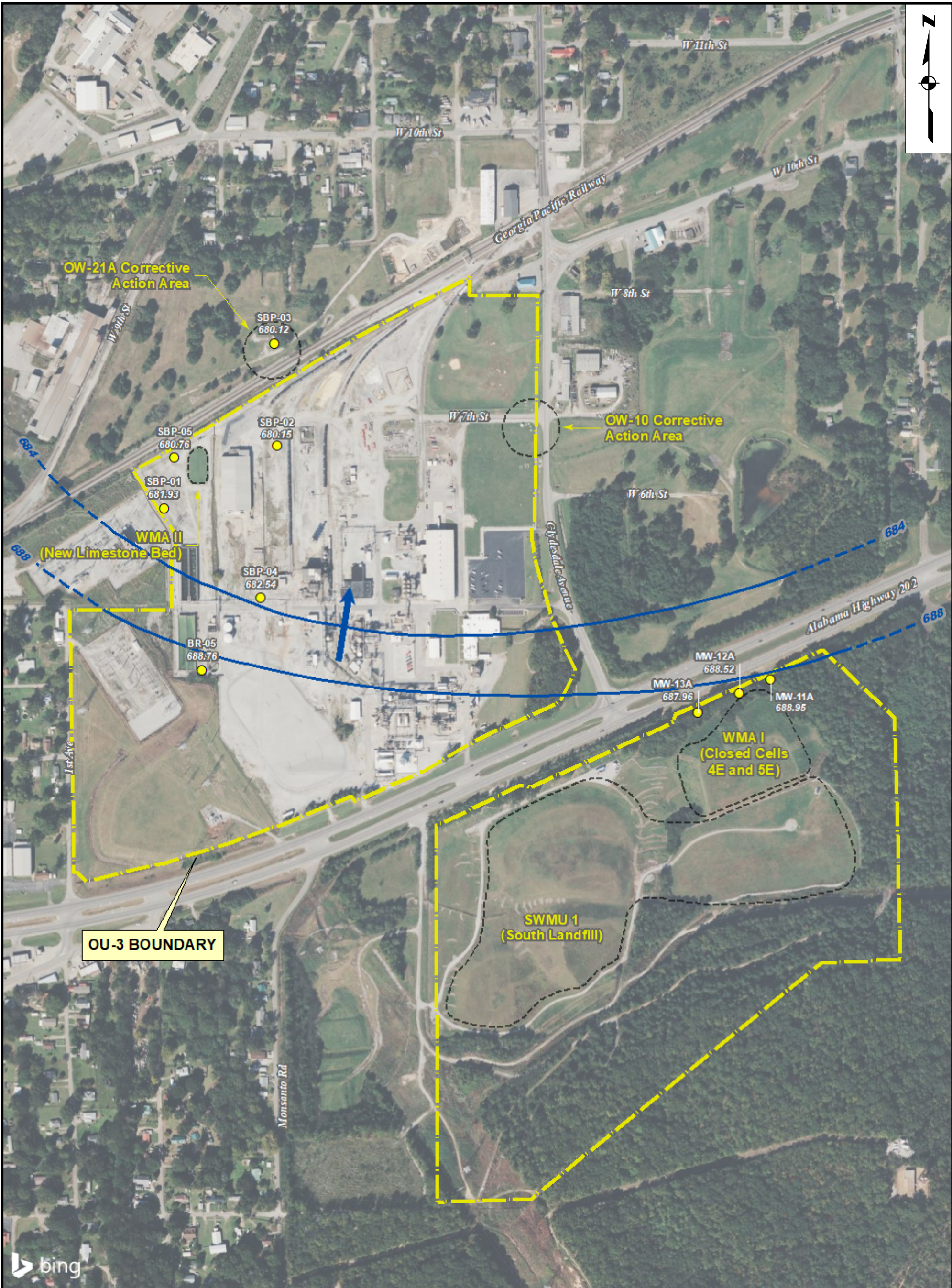
GSI Job No.	6122
Issued:	13-Apr-2022
Revised:	
Map ID:	001_08
Drawn By:	CDM
Reviewed By:	WBS
Approved By:	TMM

FIGURE 8



POTENTIOMETRIC SURFACE
MAP: DEEP RESIDIUM,
APRIL 2021

2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report
Solutia Inc.
Anniston, Alabama

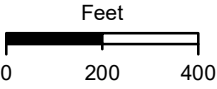


LEGEND			
	Shallow Bedrock		Potentiometric surface contour (ft msl), dashed where inferred
	Operable Unit 3 (OU-3) boundary		General groundwater flow direction

Notes

1. Projected Coordinate System: NAD 1983, UTM Zone 16N (meters).

2. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



GSI Job No.	6122
Issued:	13-Apr-2022
Revised:	
Map ID:	001_09
Drawn By:	CDM
Reviewed By:	WBS
Approved By:	TMM

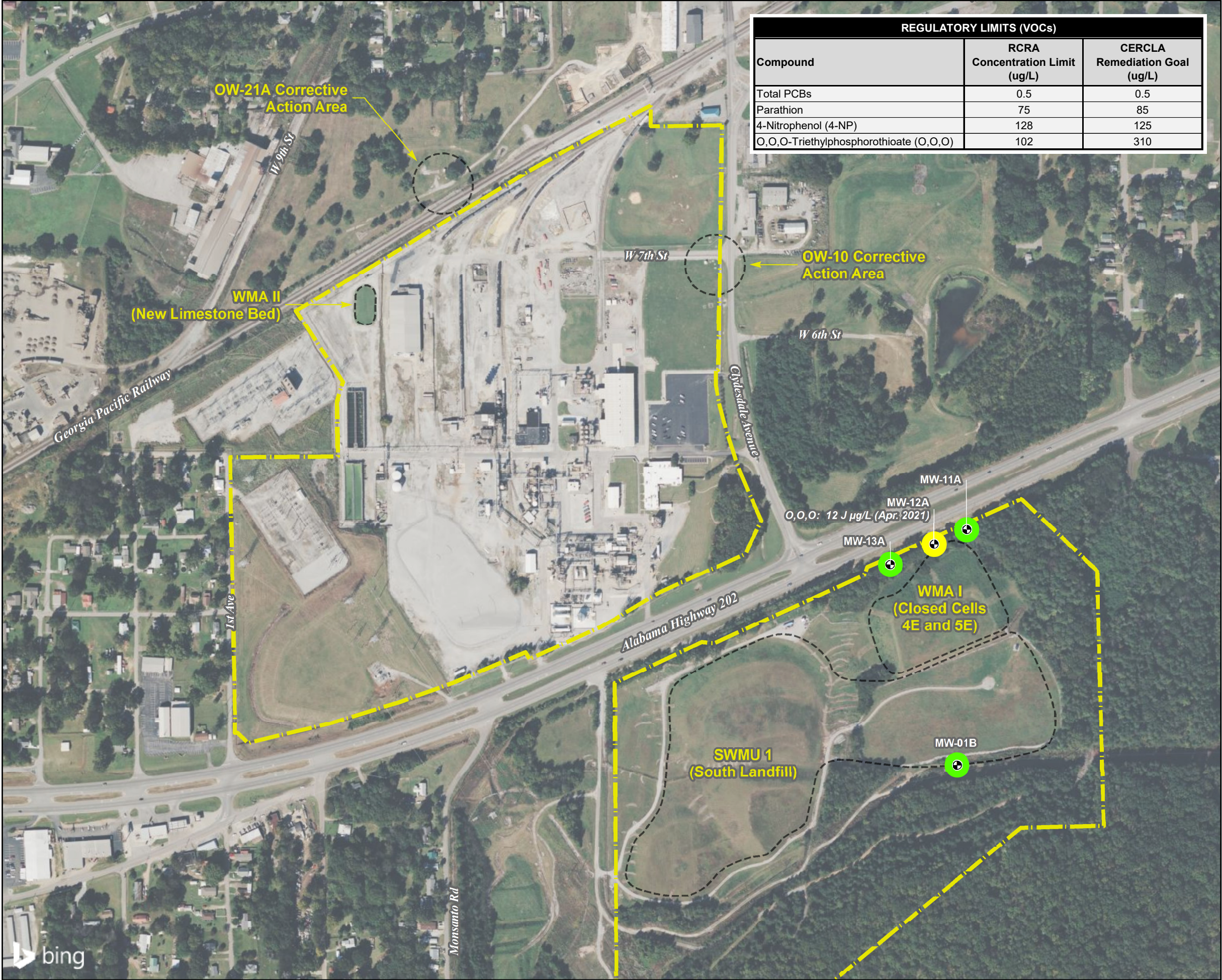
FIGURE 9



POTENTIOMETRIC SURFACE
MAP: SHALLOW BEDROCK,
APRIL 2021

2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

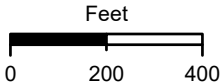


LEGEND

- Monitoring well
- No analytes detected
- One or more analytes detected below regulatory limits
- One or more analytes detected above regulatory limits
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

- Analytes: PCBs, parathion, 4-nitrophenol, and O,O,O-triethylphosphorothioate, samples from MW-01B also analyzed for cobalt, mercury, sulfotepp, 1,2-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene.
- Approximate locations of site features shown.
- Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



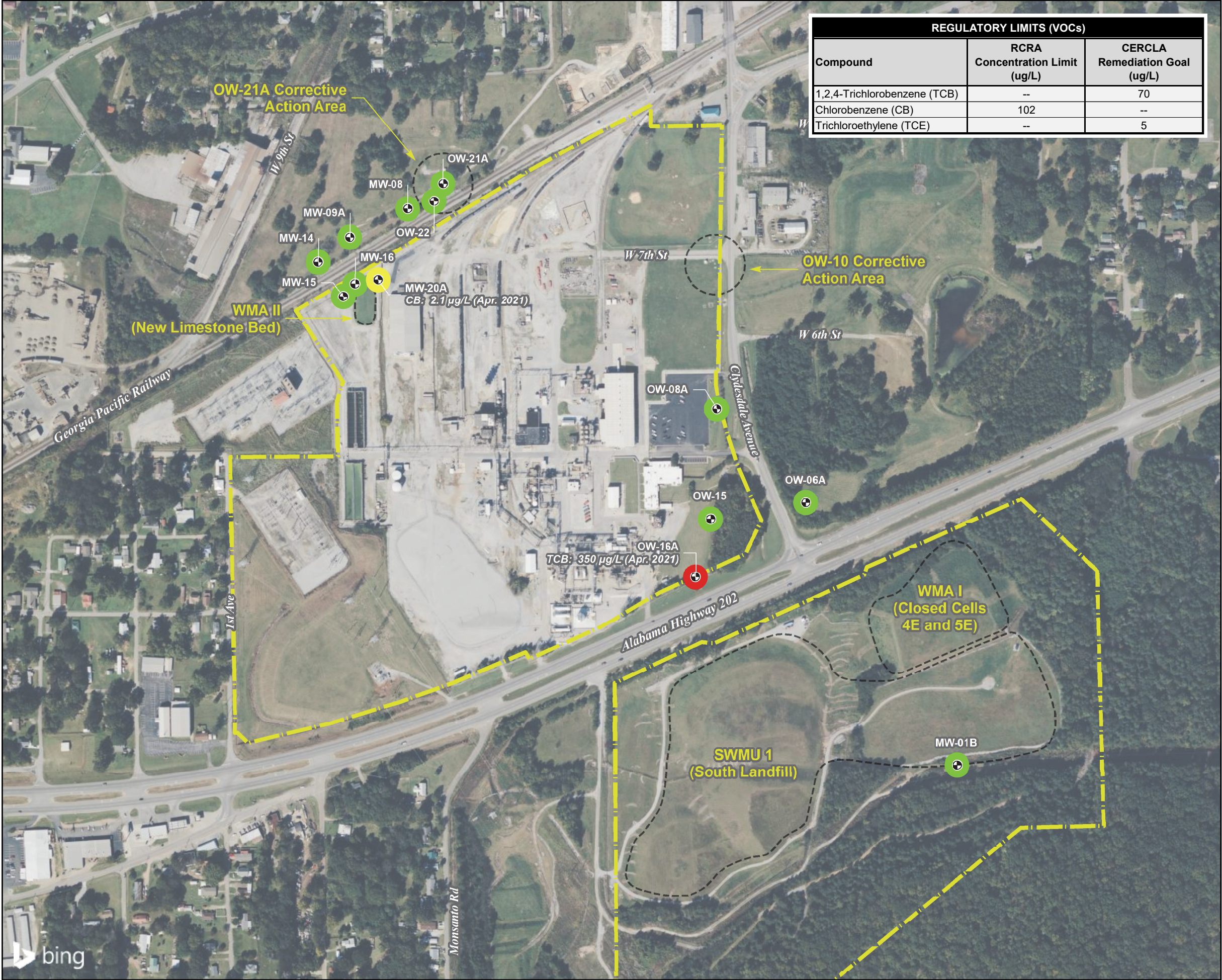
RESULTS OF 2021 RCRA GROUNDWATER DETECTION MONITORING AT WMA I

2021 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_10	Appv'd By:	TMM

FIGURE 10

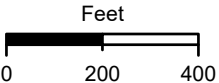


LEGEND

- Monitoring well
- VOCs not detected
- One or more VOCs detected below regulatory limits; or no RCRA concentration limit established
- One or more VOCs detected above regulatory limits
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

- VOCs: Volatile Organic Compounds.
- Analytes: 1,2,4-Trichlorobenzene (TCB); Chlorobenzene (CB); Trichloroethylene (TCE). - Highest reported detections shown.
- 1,2,4-Trichlorobenzene is analyzed in well OW-16A per CERCLA requirements and is compared to the CERCLA Remediation Goal.
- Approximate locations of site features shown.
- Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



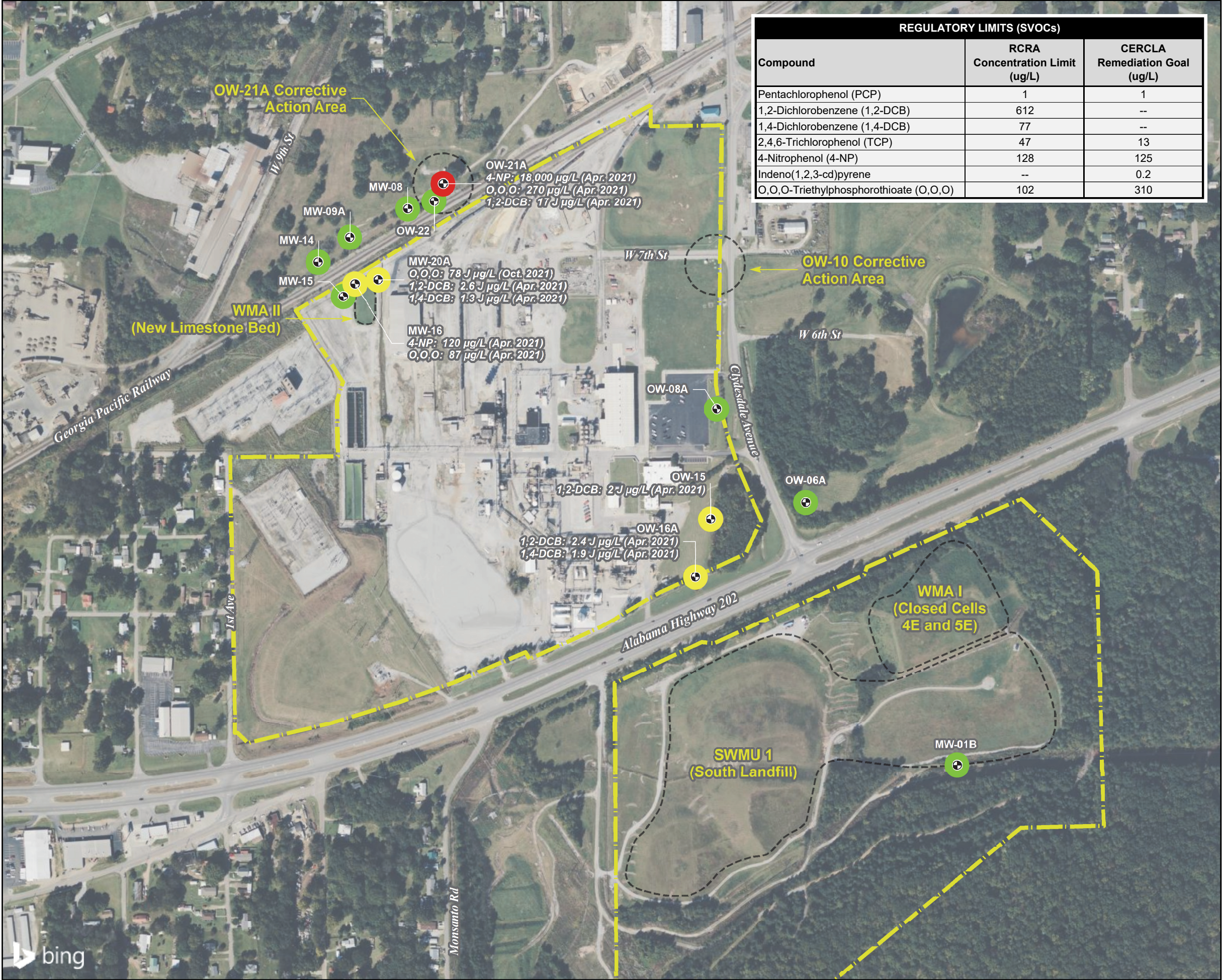
RESULTS OF 2021 RCRA GROUNDWATER
CORRECTIVE ACTION MONITORING AT WMA II AND
SWMU 1: VOLATILE ORGANIC COMPOUNDS

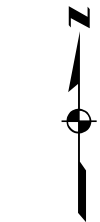
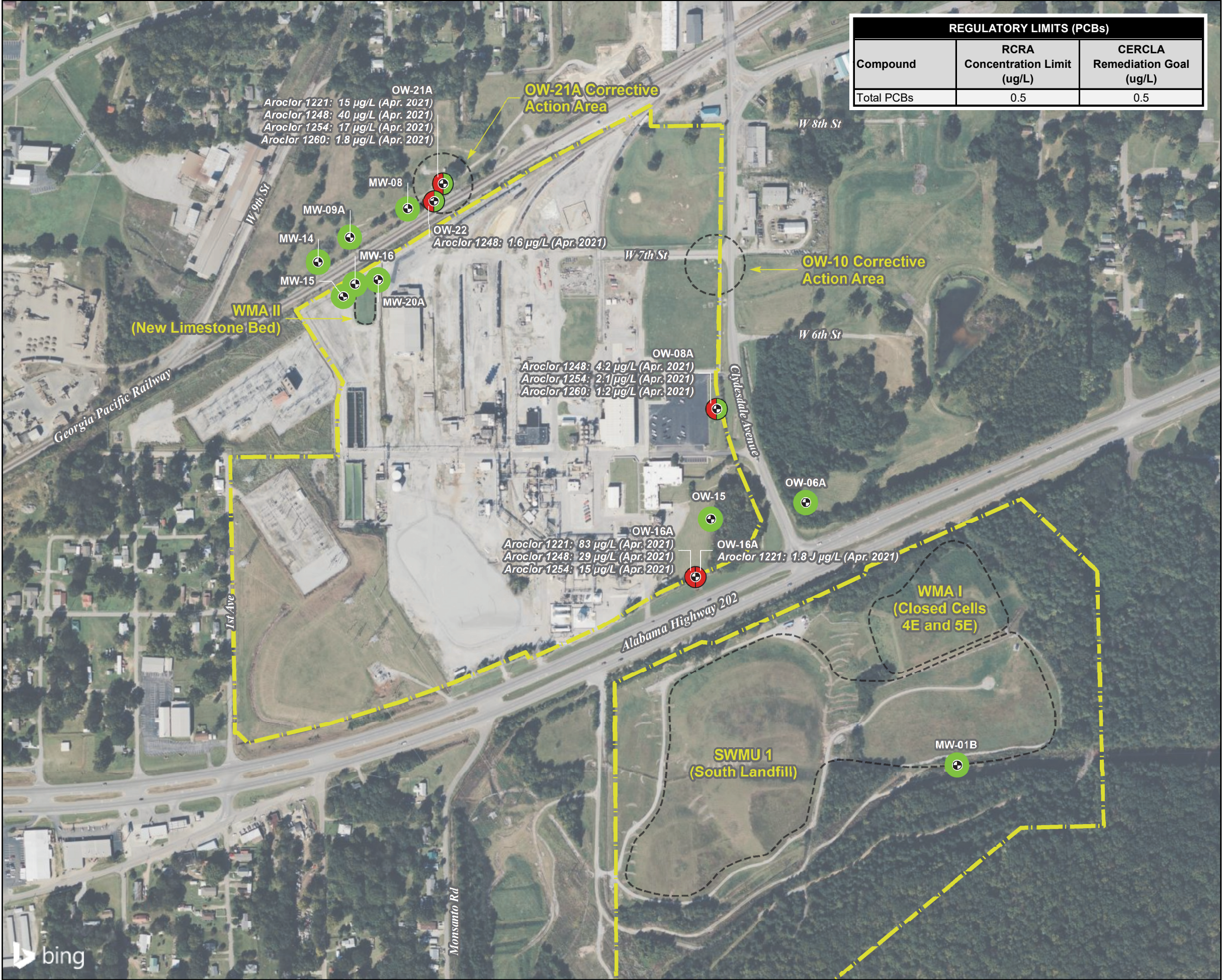
2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_11	Appv'd By:	TMM

FIGURE 11



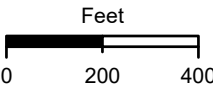


LEGEND

- Monitoring well
- PCBs not detected
- One or more PCBs detected below regulatory limits
- One or more PCBs detected above regulatory limits
- Filtered sample
- Unfiltered sample
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

1. Analytes: Polychlorinated Biphenyls (PCBs).
2. Approximate locations of site features shown.
3. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



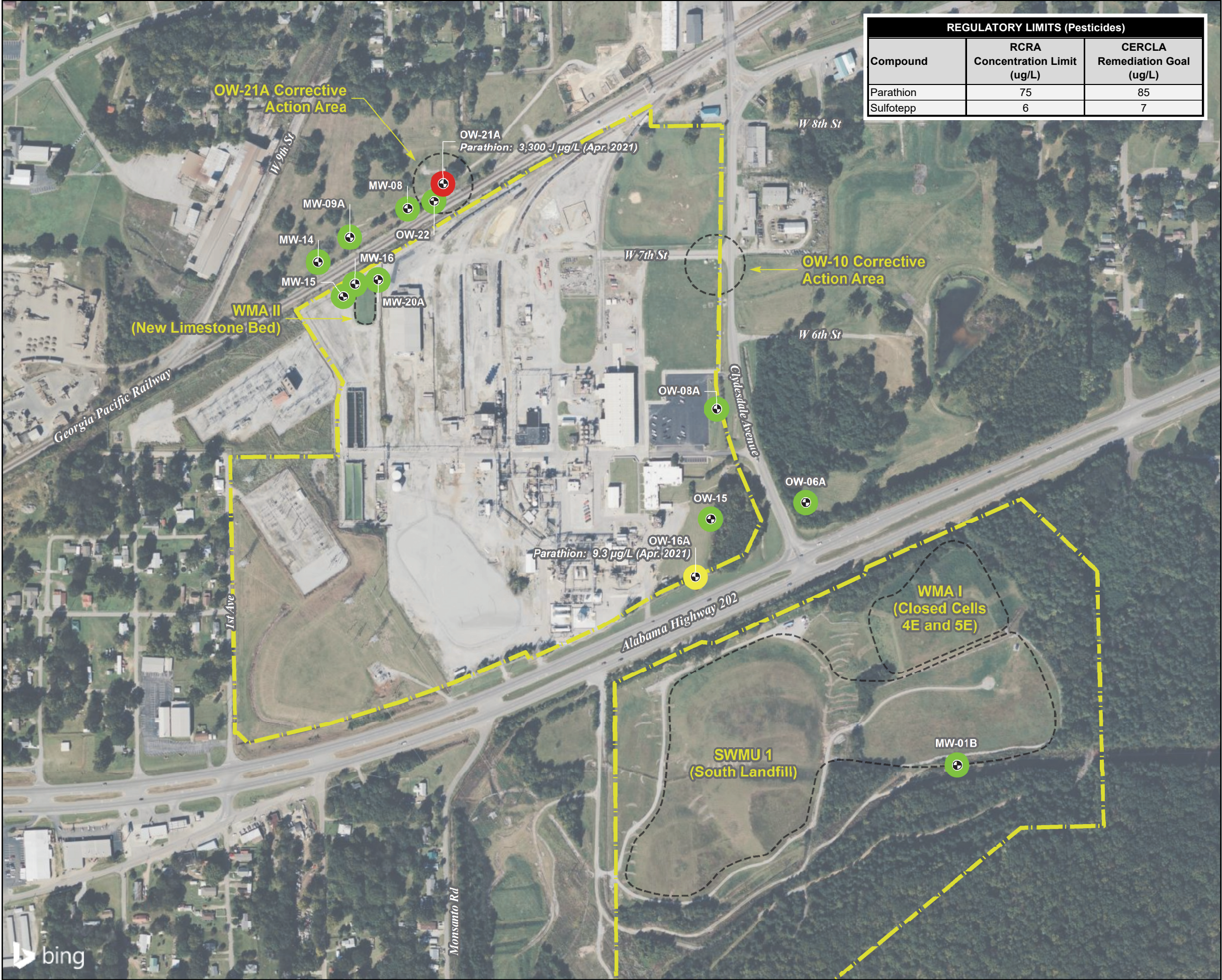
**RESULTS OF 2021 RCRA GROUNDWATER
CORRECTIVE ACTION MONITORING AT
WMA II AND SWMU 1: PCBs**

**2021 Annual Groundwater Detection Monitoring and
Corrective Action Effectiveness Report**

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_13	Appv'd By:	TMM

FIGURE 13



REGULATORY LIMITS (Pesticides)		
Compound	RCRA Concentration Limit (ug/L)	CERCLA Remediation Goal (ug/L)
Parathion	75	85
Sulfotepp	6	7

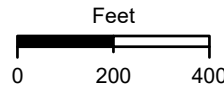


LEGEND

- Monitoring well
- Pesticides not detected
- One or more pesticides detected below regulatory limits
- One or more pesticides detected above regulatory limits
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

- Analytes: Parathion, Sulfotepp.
- Approximate locations of site features shown.
- Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



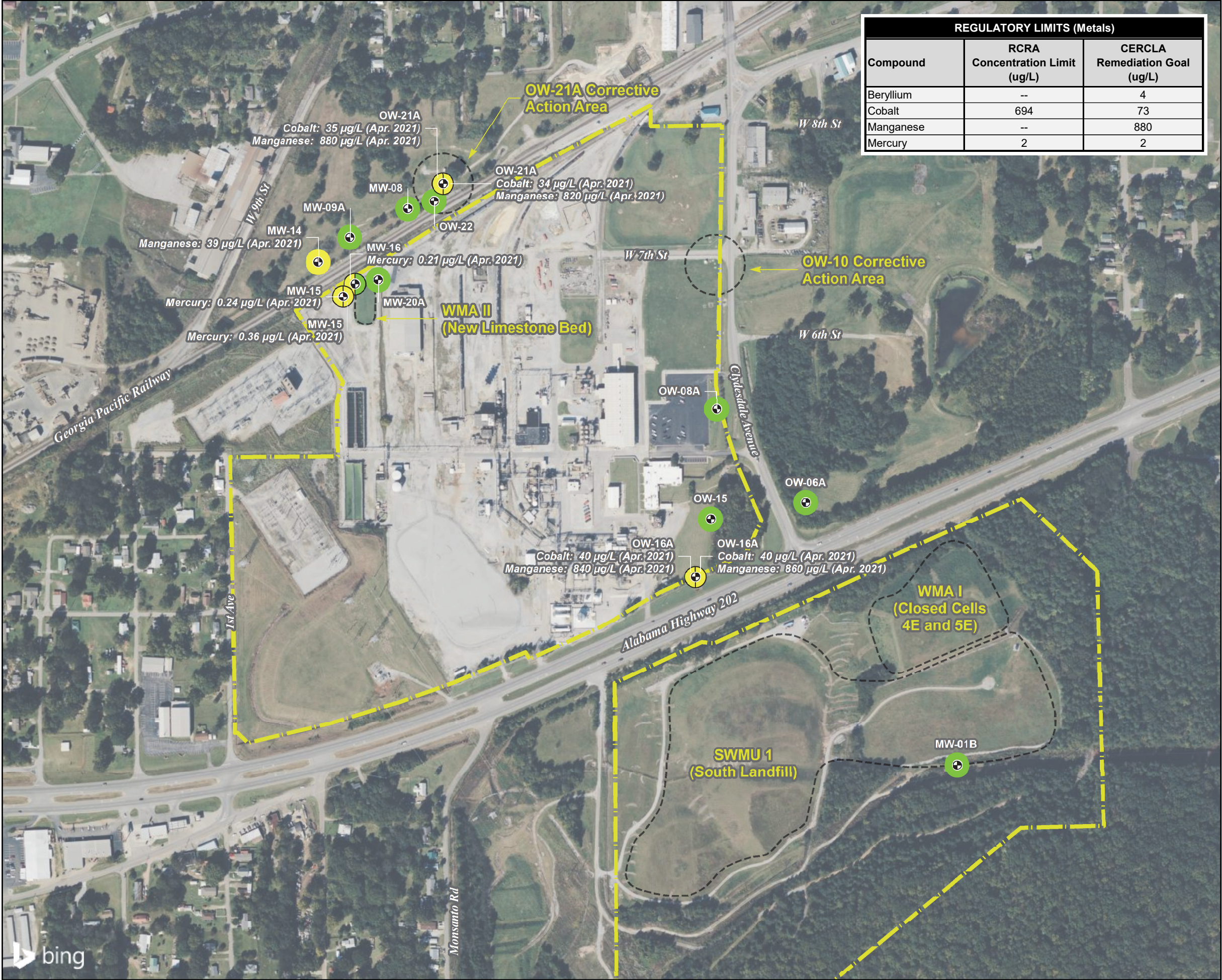
RESULTS OF 2021 RCRA GROUNDWATER CORRECTIVE ACTION MONITORING AT WMA II AND SWMU 1: PESTICIDES

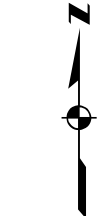
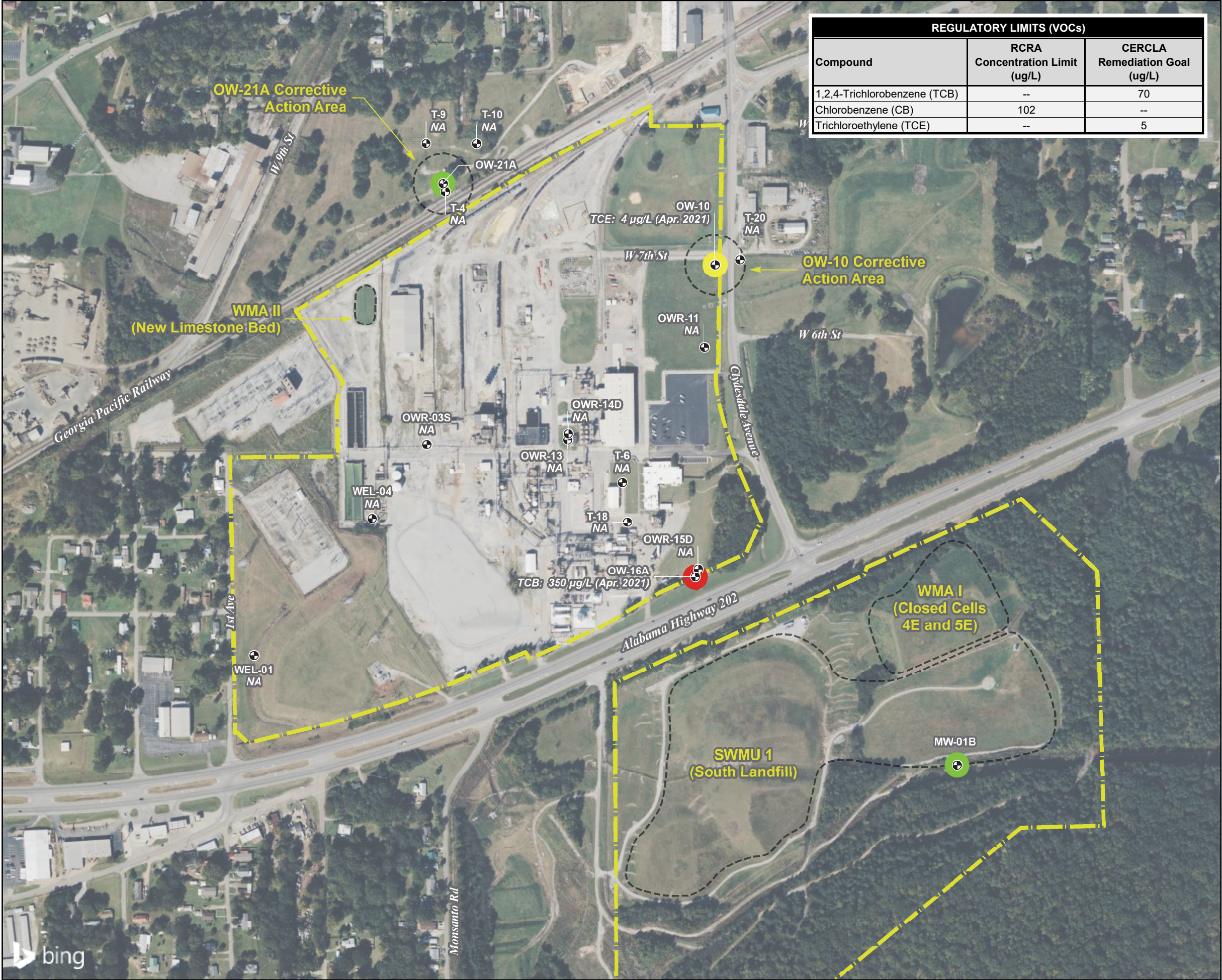
2021 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_14	Appv'd By:	TMM

FIGURE 14



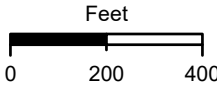


LEGEND

- Monitoring well
- VOCs not detected
- One or more VOCs detected below regulatory limits
- One or more VOCs detected above regulatory limits
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

- VOCs: Volatile Organic Compounds.
- Analytes: 1,2,4-Trichlorobenzene (TCB); Chlorobenzene (CB); Trichloroethylene (TCE). - Highest reported detections shown.
- Samples from well OW-21A analyzed per the RCRA Groundwater Corrective Action Program.
- NA: Not Analyzed.
- Approximate locations of site features shown.
- Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



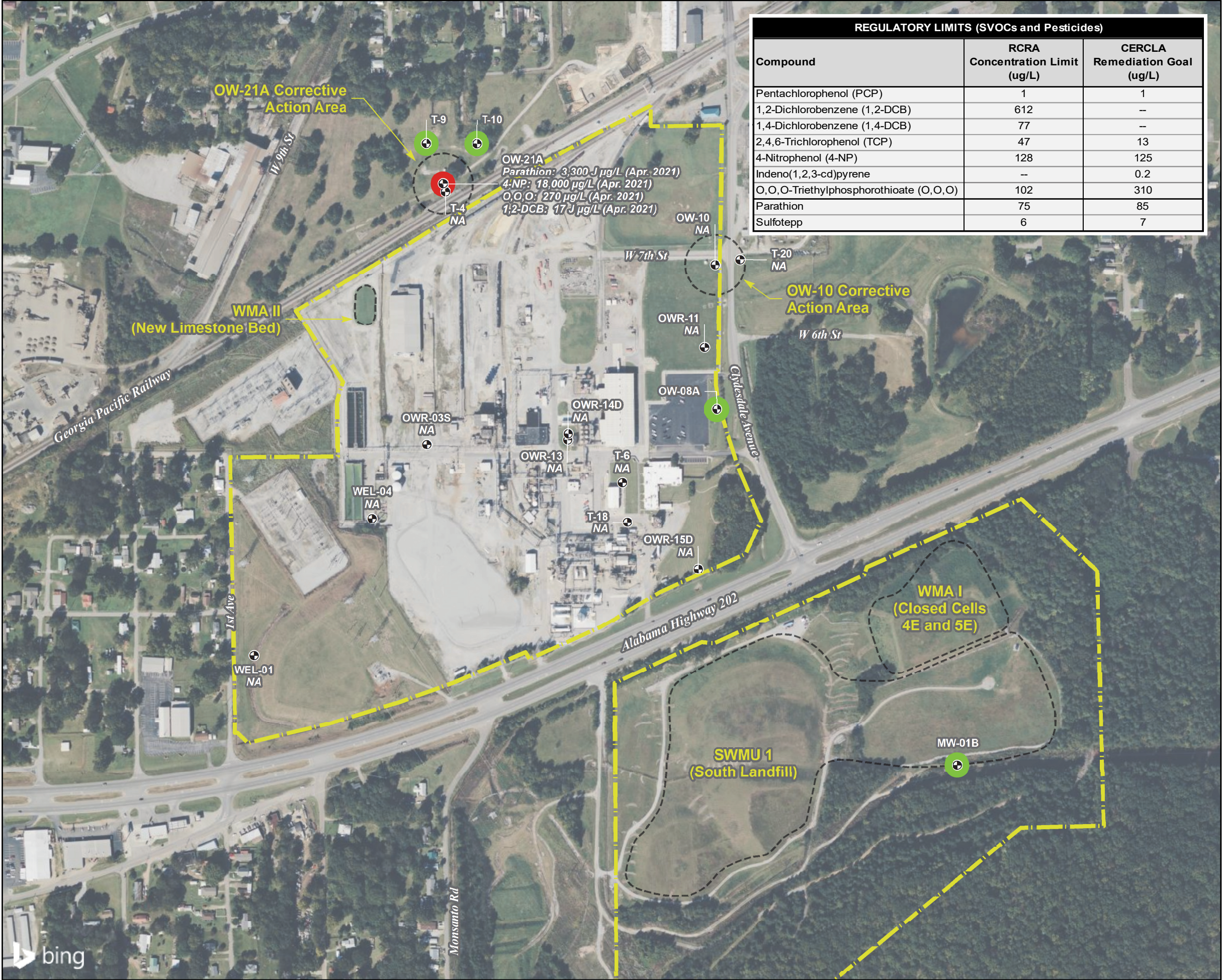
RESULTS OF 2021 CERCLA PERFORMANCE VERIFICATION SAMPLING AT OU-3: VOLATILE ORGANIC COMPOUNDS

2021 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_16	Appv'd By:	TMM

FIGURE 16

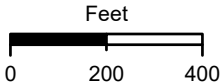


LEGEND

- Monitoring well
- SVOCs not detected
- One or more SVOCs or pesticides detected below regulatory limits
- One or more SVOCs or pesticides detected above regulatory limits
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

- SVOCs: Semi-Volatile Organic Compounds.
- Analytes: Pentachlorophenol (PCP); 1,2-Dichlorobenzene (1,2-DCB); 1,4-Dichlorobenzene (1,4-DCB); 2,4,6-Trichlorophenol (TCP); 4-Nitrophenol (4-NP); Indeno(1,2,3-cd)pyrene; O,O,O-Triethylphosphorothioate (O,O,O); Parathion; Sulfotepp.
- Samples from well OW-21A analyzed per the RCRA Groundwater Corrective Action Program.
- NA: Not Analyzed.
- Approximate locations of site features shown.
- Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



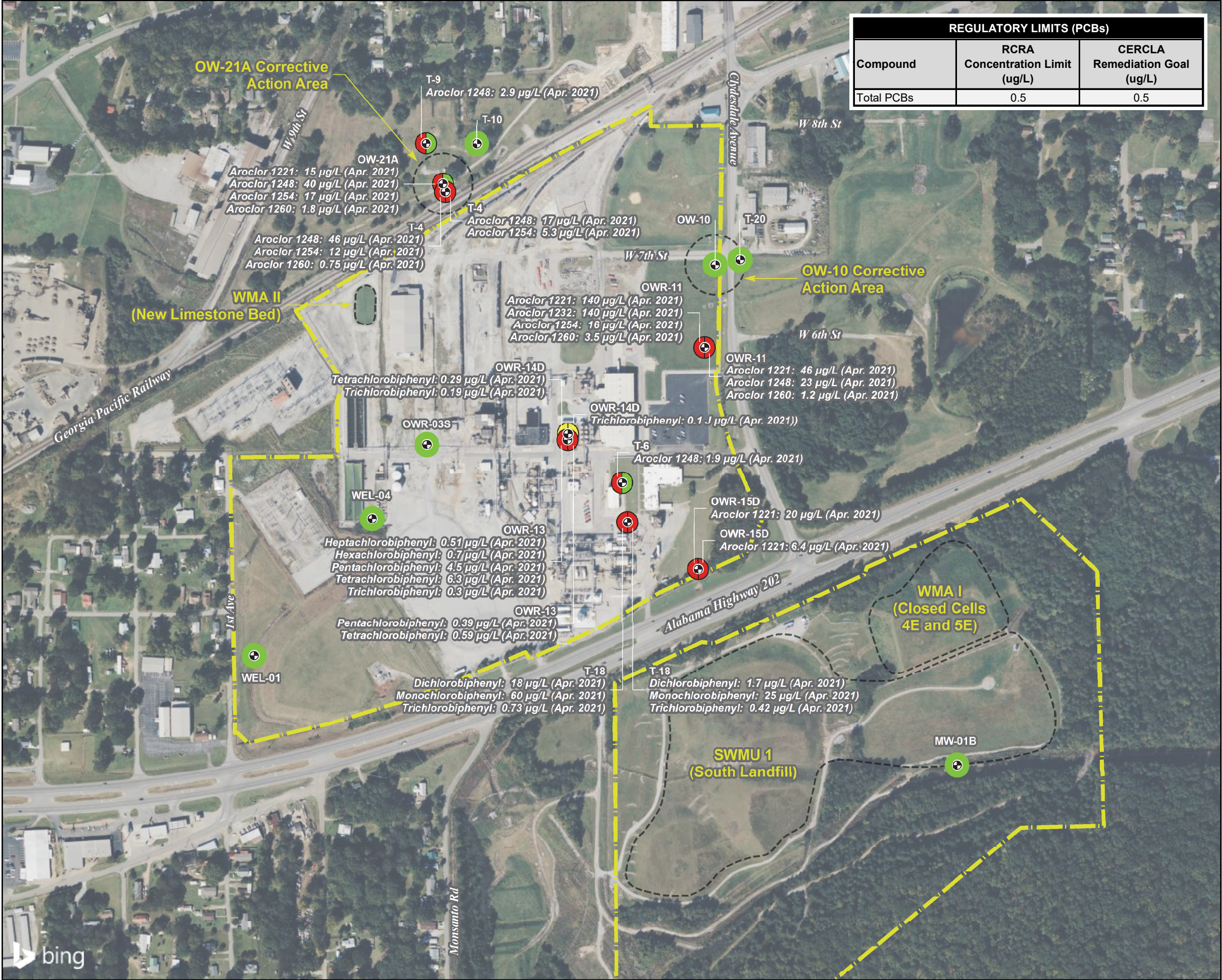
RESULTS OF 2021 CERCLA PERFORMANCE VERIFICATION SAMPLING AT OU-3: PESTICIDES AND SEMI-VOLATILE ORGANIC COMPOUNDS

2021 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_17	Appv'd By:	TMM

FIGURE 17

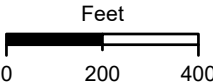


LEGEND

- Monitoring well
- PCBs not detected
- One or more PCBs detected below regulatory limits
- One or more PCBs detected above regulatory limits
- Filtered sample
- Unfiltered sample
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

1. Analytes: Polychlorinated Biphenyls (PCBs).
2. Approximate locations of site features shown.
3. Samples from well OW-21A analyzed per the RCRA Groundwater Corrective Action Program.
4. Wells OWR-13, OWR-14D, and T-18 are analyzed by both Method 8081B/8082A (Aroclors) and Method 680 (PCB Homologs). For these wells, the method with the higher total PCBs is shown.
5. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).



Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



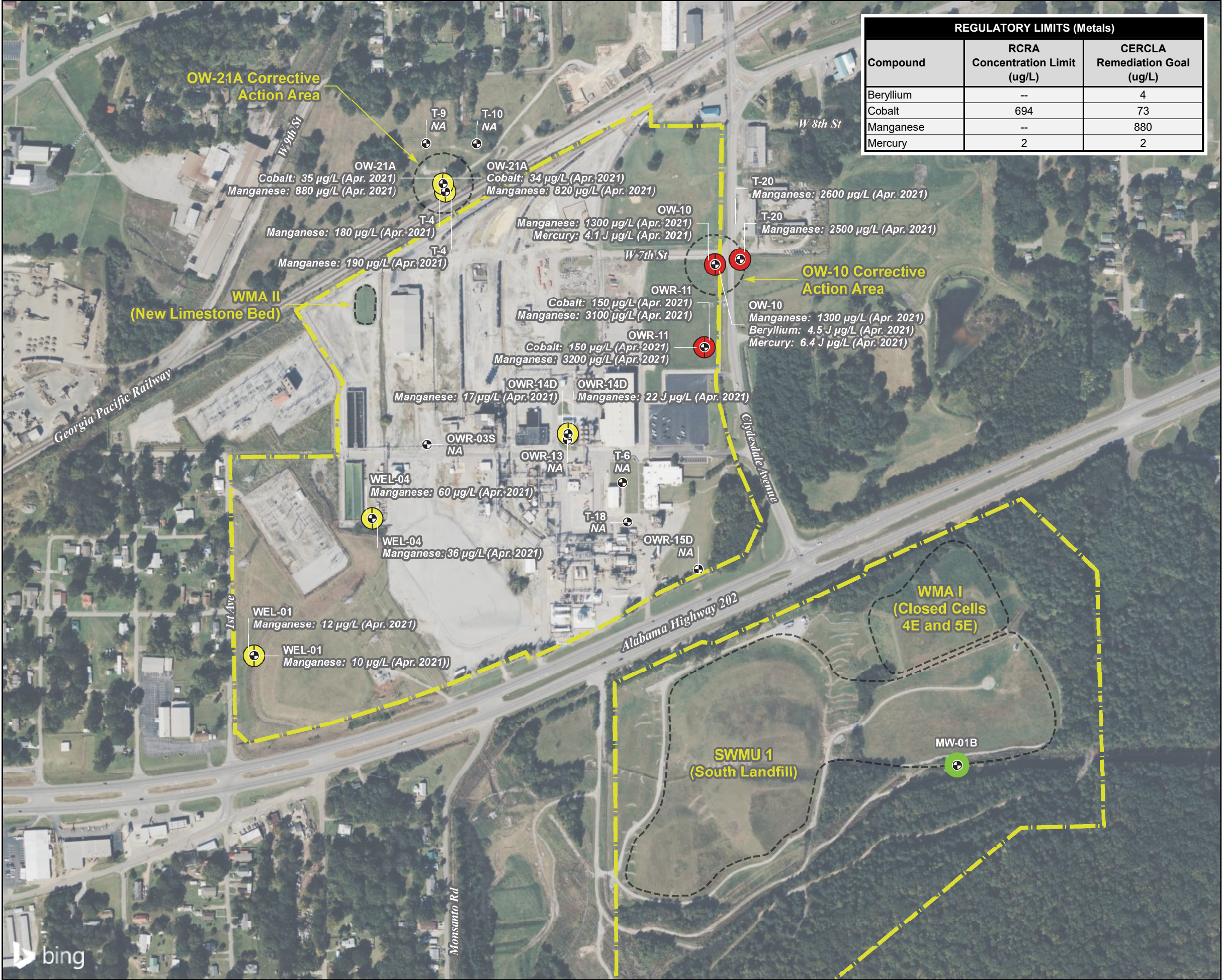
RESULTS OF 2021 CERCLA PERFORMANCE VERIFICATION SAMPLING AT OU-3: PCBs

2021 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_18	Appv'd By:	TMM

FIGURE 18



LEGEND

- Monitoring well
- Metals not detected
- One or more metals detected below regulatory limits
- One or more metals detected above regulatory limits
- Filtered sample
- Unfiltered sample
- Operable Unit 3 (OU-3) boundary
- Unit/Area addressed by RCRA Permit/CERCLA Remedial Action (approximate boundary)

Notes

- Analytes: Beryllium, Cobalt, Manganese, Mercury.
- Samples from well OW-21A analyzed per the RCRA Groundwater Corrective Action Program.
- NA: Not Analyzed.
- Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (<http://maps.bing.com>).

Feet
0 200 400
Projected Coordinate System
Datum: NAD 1983
UTM: Zone 16N (meters)



RESULTS OF 2021 CERCLA PERFORMANCE VERIFICATION SAMPLING AT OU-3: METALS

2021 Annual Groundwater Detection Monitoring and Corrective Action Effectiveness Report

Solutia Inc.
Anniston, Alabama

GSI Job No.	6122	Drawn By:	CDM
Issued:	13-Apr-2022	Chk'd By:	WBS
Map ID:	001_19	Appv'd By:	TMM

FIGURE 19

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDICES

Appendix A	Well Construction Specifications
Appendix B	Purging Logs
Appendix C	Sampling Logs
Appendix D	Calibration Logs
Appendix E	Historic Data Tabulation
Appendix F	Data Validation
Appendix G	Mann-Kendall Statistical Analyses
Appendix H	Laboratory Reports

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX A: WELL CONSTRUCTION SPECIFICATIONS

TABLE A
WELL CONSTRUCTION SPECIFICATIONS

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Northing (Note)	Easting (Note)	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Stick-up (Elevations) (ft) (Note 6)	Stick-up (Measured) (ft) (Note 7)	Stick up Difference (ft)	Approximate Boring Depth (ft bgs)	Approximate Top of Screen (ft bgs)	Approximate Bottom of Screen (ft bgs)	Total Well Depth (to Bottom of Screen) (ft btoc)	Screened Interval Length (ft)	Top of Screen (ft msl)	Bottom of Screen (ft msl)	Well Type
Observation Wells																
OW-02 (Note 5)	1145348.00	650023.00	May 1985	806.10	807.69	1.6	1.3	0.3	35	19	24	25.6	5	787.10	782.10	Residuum
OW-03 (Note 5)	1145419.00	650031.00	May 1985	802.10	805.25	3.1	2.9	0.3	25	19	24	27.2	5	783.10	778.10	Residuum
OW-04 (Note 5)	1145494.00	650041.00	May 1985	796.70	798.57	1.9	1.7	0.2	30	22	27	28.9	5	774.70	769.70	Residuum
OW-06A	1146210.00	650663.00	March 1998	788.87	791.62	2.8	2.8	0.0	49	39	49	51.8	10	749.87	739.87	Residuum
OW-08A	1146601.00	650298.00	March 1998	746.30	749.16	2.9	2.9	0.0	23	12.5	22.5	25.4	10	733.80	723.80	Residuum
OW-10	1147198.92	650297.70	October 1980	736.67	736.67	0.0	0.0	0.1	40	33	38	40.2	5	701.71	696.71	Residuum
OW-15 (Note 5)	1146146.00	650268.00	December 1987	764.00	766.90	2.9	2.7	0.2	40	35	40	42.9	5	729.00	724.00	Residuum
OW-16A	1145907.00	650202.00	March 1998	777.60	779.74	2.1	2.0	0.1	33	23	33	35.1	10	754.60	744.60	Residuum
OW-19	1147262.06	648966.21	October 1985	745.80	748.72	2.9	2.5	0.4	25	19	24	26.9	5	726.80	721.80	Residuum
OW-21A	1147546.72	649174.02	January 2003	741.90	744.46	2.6	2.4	0.1	35	25	35	37.6	10	716.90	706.90	Residuum
OW-22	1147474.08	649136.92	June 1986	741.90	745.57	3.7	2.3	1.4	34	24	34	37.7	10	717.90	707.90	Residuum
OW-24	1147353.36	649122.38	June 1986	743.50	746.15	2.6	2.4	0.2	29	24	29	31.7	5	719.50	714.50	Residuum
West End Landfill Wells																
WEL-01	1145603.34	648369.53	April 1994	777.22	778.80	1.6	1.4	0.2	31.5	19	29	30.6	10	758.22	748.22	Residuum
WEL-04	1146164.41	648864.25	Pre-1995 (estimated)	763.14	765.94	2.8	2.9	0.1	47	34.5	44.5	47.3	10	728.64	718.64	Residuum
Monitoring Wells																
MW-01B	1145116.72	651277.30	October 1985	880.09	881.59	1.5	1.7	0.2	62.5	57.5	62.5	64.0	5	822.59	817.59	Residuum
MW-08	1147444.00	649026.00	Pre-1995 (estimated)	743.20	746.80	3.6	2.3	1.3	27	22	27	30.6	5	721.20	716.20	Residuum
MW-09A	1147328.70	648784.60	February 2003	748.00	751.02	3.0	2.6	0.4	33.2	23	33	36.0	10	725.00	715.00	Residuum
MW-11A	1146090.98	651328.20	October 1985	783.13	784.13	1.0	0.8	0.2	117	109	114	115.0	5	674.13	669.13	Bedrock
MW-12A	1146032.60	651193.11	October 1985	783.69	785.69	2.0	1.8	0.3	124.5	105	110	112.0	5	678.69	673.69	Bedrock
MW-13A	1145950.40	651010.06	October 1985	779.34	782.01	2.7	2.5	0.1	123.5	105	110	112.7	5	674.34	669.34	Bedrock
MW-14 (Note 4)	1147227.00	648653.00	May 1985	749.14	751.3	2.2	1.9	0.3	24	19	24	26.2	5	730.14	725.14	Residuum
MW-15	1147084.00	648755.00	October 1985	752.52	756.19	3.7	2.7	1.0	27	19	24	27.7	5	733.52	728.52	Residuum
MW-16	1147135.97	648804.30	October 1985	752.62	755.70	3.1	3.1	0.0	68.5	58	68	71.1	10	694.62	684.62	Residuum
MW-20A	1147151.04	648900.78	May 1988	751.65	752.90	1.3	1.5	0.3	24	19	24	25.3	5	732.65	727.65	Residuum
SSSMA Wells																
NW-1	1145056.92	649336.94	July 2006	825.09	827.40	2.3	2.3	0.0	54	20	40	42.3	20	805.09	785.09	Residuum
SW-1	1144141.89	649682.45	June 2006	900.55	902.95	2.4	2.4	0.0	52	32	52	54.4	20	868.55	848.55	Residuum
Other Wells																
DW-01	1147158.05	648895.87	September 1991	751.08	753.88	2.8	NA	NA	96	83.25	93.25	96.1	10	667.83	657.83	Interceptor
CMW-1	1148202.46	650928.78	August 2004	717.14	720.40	3.3	3.0	0.3	28.5	18	28.5	31.8	10	699.14	688.64	Residuum
CMW-2	1148473.21	651048.47	August 2004	713.85	716.69	2.8	3.1	0.2	22.5	12	22.5	25.3	10	701.85	691.35	Residuum
CMW-3	1148770.79	651705.61	August 2004	707.09	710.22	3.1	2.7	0.4	27.0	16.5	27	30.1	10	690.59	680.09	Residuum
SSSMA-East	1144721.80	649574.00	August 2010	826.80	829.70	2.9	2.9	0.0	15	10	15	17.9	5	816.80	811.80	Residuum
SSSMA-West	1144687.10	649371.10	August 2010	825.30	827.90	2.6	2.6	0.0	15.3	10.3	15.3	17.9	5	815.00	810.00	Residuum
T Wells																
T-1	1147455.96	650133.79	June 2005	731.47	732.72	1.3	0.3	0.9	45	30	40	41.3	10	701.47	691.47	Residuum
T-2	1147466.94	649491.74	June 2005	749.13	751.13	2.0	1.6	0.4	44	34	44	46.0	10	715.13	705.13	Residuum
T-3	1146620.20	650514.02	June 2005	746.09	747.09	1.0	0.9	0.1	25	15	25	26.0	10	731.09	721.09	Residuum
T-4	1147513.54	649184.18	June 2005	742.18	743.28	1.1	0.8	0.3	25	15	25	25.8	10	727.18	717.18	Residuum
T-6	1146301.15	649902.83	October 2006	761.96	761.96	0.0	0.0	0.0	150	115	125	124.8	10	645.13	635.13	Bedrock
T-9	1147714.22	649106.27	April 2008	742.47	745.46	3.0	3.0	0.0	37	27	37	40.0	10	715.47	705.47	Residuum
T-10	1147711.36	649316.74	April 2008	737.20	740.20	3.0	3.0	0.0	35	25	35	38.0	10	712.20	702.20	Residuum
T-11	1148974.57	652936.85	April 2008	695.32	698.23	2.9	3.0	0.1	21	8.5	13.5	16.4	5	686.82	681.82	Residuum
T-16	1135347.63	657413.14	January 2012	626.62	626.26	-0.4	NA	NA	15	4	14	13.6	10	622.62	612.62	Residuum
T-18	1146137.41	649922.53	December 2013	763.06	762.78	-0.3	NA	NA	28	16	26	25.7	10	747.06	737.06	Residuum
T-19	1147051.28	649800.11	December 2013	755.91	758.51	2.6	2.6	0.0	39	25.7	35.7	38.3	10	730.21	720.21	Residuum
T-20	1147218.69	650402.36	December 2013	731.94	731.61	-0.3	NA	NA	40	27.5	37.5	37.2	10	704.44	694.44	Residuum

TABLE A
WELL CONSTRUCTION SPECIFICATIONS

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Northing (Note)	Easting (Note)	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Stick-up (Elevations) (ft) (Note 6)	Stick-up (Measured) (ft) (Note 7)	Stick up Difference (ft)	Approximate Boring Depth (ft bgs)	Approximate Top of Screen (ft bgs)	Approximate Bottom of Screen (ft bgs)	Total Well Depth (to Bottom of Screen) (ft btoc)	Screened Interval Length (ft)	Top of Screen (ft msl)	Bottom of Screen (ft msl)	Well Type
RFI Observation Wells																
OWR-01S	1147706.00	649892.00	June 1998	736.60	738.89	2.3	2.0	0.3	35	25	35	37.3	10	711.60	701.60	Residuum
OWR-02S	1146844.00	648706.00	June 1998	754.90	757.46	2.6	2.6	0.0	35	25	35	37.6	10	729.90	719.90	Residuum
OWR-03S	1146468.00	649095.00	June 1998	758.30	760.48	2.2	2.2	0.0	35	25	35	37.2	10	733.30	723.30	Residuum
OWR-09S	1147319.00	651456.00	June 1998	750.70	753.09	2.4	1.9	0.5	50	40	50	52.4	10	710.70	700.70	Residuum
OWR-10	1146199.67	648296.77	January 2003	767.0	769.95	3.0	2.6	0.4	49.2	39.2	49.2	52.2	10	727.80	717.80	Residuum
OWR-11	1146857.44	650249.85	January 2003	744.3	744.26	0.0	0.0	0.4	35	25	35	37.9	10	717.30	707.30	Residuum
OWR-12	1146677.47	649328.39	January 2003	760.6	763.20	2.6	2.6	0.0	37	27	37	39.6	10	733.60	723.60	Residuum
OWR-13	1146480.77	649678.04	January 2003	766.8	769.45	2.7	2.8	0.1	36	26	36	38.7	10	740.80	730.80	Residuum
OWR-14D	1146505.05	649680.62	June 2005	779.61	782.1	2.5	2.5	0.0	81	69	79	81.5	10	710.61	700.61	Residuum
OWR-15D	1145940.54	650213.52	June 2005	778.94	781.4	2.5	2.2	0.3	64	54	64	66.5	10	724.94	714.94	Residuum
Interceptor Wells																
IW-01 (Note 5)	1145164.00	650109.00	Pre-1995 (estimated)	820.5	821.18	0.7	0.7	0.0	26	11	21	21.7	10	809.5	799.50	Interceptor
IW-02 (Note 5)	1145271.00	650099.00	Pre-1995 (estimated)	813.5	815.27	1.8	1.5	0.2	25	10	20	21.8	10	803.5	793.50	Interceptor
IW-03 (Note 5)	1145371.00	650104.00	Pre-1995 (estimated)	806.6	810.59	4.0	2.5	1.4	25	10	20	24.0	10	796.6	786.60	Interceptor
IW-04 (Note 5)	1145473.00	650104.00	Pre-1995 (estimated)	798.9	799.88	1.0	0.7	0.3	25	10	20	21.0	10	788.9	778.90	Interceptor
IW-05	1145611.76	650319.73	Pre-1995 (estimated)	803.07	805.46	2.4	2.0	0.4	68	53	63	65.4	10	750.07	740.07	Interceptor
IW-06	1145677.55	650459.11	Pre-1995 (estimated)	800.07	803.84	3.8	0.8	3.0	68	25	68	71.8	43	775.07	732.07	Interceptor
IW-07	1145799.00	650734.10	Pre-1995 (estimated)	793.35	794.63	1.3	2.0	0.7	40	1	40	41.3	39	792.35	753.35	Interceptor
IW-08	1145764.36	650653.13	Pre-1995 (estimated)	796.77	798.02	1.3	0.5	0.8	39.5	1	39.5	40.8	38.5	795.77	757.27	Interceptor
IW-09	1145737.25	650589.28	Pre-1995 (estimated)	799.67	801.03	1.4	0.6	0.8	50	1	50	51.4	49	798.67	749.67	Interceptor
IW-10	1145709.99	650528.28	Pre-1995 (estimated)	800.67	801.93	1.3	0.7	0.6	68	1	68	69.3	67	799.67	732.67	Interceptor
IW-11	1145644.22	650392.38	Pre-1995 (estimated)	803.42	804.62	1.2	1.3	0.1	68	1	68	69.2	67	802.42	735.42	Interceptor
IW-12	1145566.11	650225.61	Pre-1995 (estimated)	796.49	797.86	1.4	1.0	0.4	50	1	50	51.4	49	795.49	746.49	Interceptor
IW-13	1145529.73	650083.91	Pre-1995 (estimated)	794.56	795.74	1.2	0.4	0.8	50	1	50	51.2	49	793.56	744.56	Interceptor
IW-14A	1146543.05	650289.77	February 2003	748.00	746.70	-1.3	-0.5	0.8	49.4	29.4	49.4	48.1	20	718.60	698.60	Interceptor
IW-15	1146349.39	650245.49	Pre-1995 (estimated)	755.45	756.73	1.3	1.7	0.4	45	1	45	46.3	44	754.45	710.45	Interceptor
IW-16	1147359.73	649187.53	Pre-1995 (estimated)	746.14	746.82	0.7	1.5	0.8	50	1	50	50.7	49	745.14	696.14	Interceptor
IW-17	1147321.33	649123.03	Pre-1995 (estimated)	745.86	746.65	0.8	1.0	0.2	50	1	50	50.8	49	744.86	695.86	Interceptor
IW-18	1147284.01	649058.39	Pre-1995 (estimated)	747.9	748.63	0.7	2.0	1.3	50	1	50	50.7	49	746.9	697.90	Interceptor
IW-19	1147246.11	648991.94	Pre-1995 (estimated)	748.63	749.31	0.7	1.2	0.5	50	1	50	50.7	49	747.63	698.63	Interceptor
IW-20	1147216.86	648942.43	Pre-1995 (estimated)	750.02	750.70	0.7	1.7	1.0	50	1	50	50.7	49	749.02	700.02	Interceptor
IW-21	1147170.58	648862.80	Pre-1995 (estimated)	751.8	752.45	0.7	0.7	0.0	50	1	50	50.7	49	750.8	701.80	Interceptor
IW-22	1147403.35	649253.88	February 2003	744.38	743.23	-1.1	-1.0	0.1	39.9	14.9	39.9	38.8	25	729.48	704.48	Interceptor
IW-23	1147303.90	649089.55	January 2003	746.15	745.20	-0.9	-0.9	0.0	50	25	50	49.1	25	721.15	696.15	Interceptor
IW-24	1147269.88	649031.47	January 2003	747.33	745.86	-1.5	-1.4	0.1	40	15	40	38.5	25	732.33	707.33	Interceptor
IW-25	1147121.03	648792.11	February 2003	753.50	751.96	-1.5	-1.3	0.2	40	15	40	38.5	25	738.50	713.50	Interceptor
IW-26	1147567.00	649189.00	August 2015	NA	731.90	NA	NA	NA	35	10	35	35.0	25	731.90	706.90	Interceptor
IW-27	1147567.00	649159.00	August 2015	NA	731.90	NA	NA	NA	35.3	10	35	35.3	25	731.90	706.90	Interceptor
IW-28	1147213.00	650291.00	August 2015	NA	726.70	NA	NA	NA	37.7	8	38	37.7	30	726.70	696.70	Interceptor
IW-29	1147185.00	650301.00	August 2015	NA	726.70	NA	NA	NA	37.4	8	38	37.4	30	726.70	696.70	Interceptor

TABLE A
WELL CONSTRUCTION SPECIFICATIONS

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Northing (Note)	Easting (Note)	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Stick-up (Elevations) (ft) (Note 6)	Stick-up (Measured) (ft) (Note 7)	Stick up Difference (ft)	Approximate Boring Depth (ft bgs)	Approximate Top of Screen (ft bgs)	Approximate Bottom of Screen (ft bgs)	Total Well Depth (to Bottom of Screen) (ft btoc)	Screened Interval Length (ft)	Top of Screen (ft msl)	Bottom of Screen (ft msl)	Well Type
Abandoned Wells																
BR-01 (Notes 5, 8)	1144532.00	650300.00	September 1987	892.60	897.46	4.9	5.0	0.1	311	291	311	315.9	20	601.60	581.60	Bedrock
BR-02 (Notes 5, 8)	1144543.00	649841.00	September 1987	861.60	865.22	3.6	2.9	0.7	181	161	181	184.6	20	700.60	680.60	Bedrock
BR-03 (Notes 5, 8)	1145042.00	649834.00	September 1987	825.70	827.58	1.9	2.5	0.7	258	238	258	259.9	20	587.70	567.70	Bedrock
BR-04 (Note 8)	1145636.18	649592.91	December 1987	788.74	790.74	2.5	1.8	0.7	220	200	220	222.5	20	588.74	568.74	Bedrock
BR-05 (Notes 4, 8)	1146159.42	648852.23	February 1988	763.30	764.10	0.8	0.8	0.0	224	129	149	149.8	20	634.30	614.30	Bedrock
CB-08 (Note 5)	1145411.00	650082.00	October 1980	803.80	804.77	1.0	NA	NA	26	17	22	23.0	5	786.80	781.80	Abandoned
CB-08-C1 (Note 5)	1145406.00	650077.00	October 1980	803.90	805.77	1.9	NA	NA	41	36	41	42.9	5	767.90	762.90	Abandoned
CB-09 (Note 5)	1144961.00	650152.00	October 1980	837.10	839.05	1.9	NA	NA	42	37	42	43.9	5	800.10	795.10	Abandoned
CB-10 (Note 5)	1145336.00	650084.00	October 1980	808.00	809.85	1.9	NA	NA	34	16	21	22.9	5	792.00	787.00	Abandoned
CB-26 (Note 5)	1145250.00	650128.00	October 1980	816.40	818.37	2.0	NA	NA	16	11	16	18.0	5	805.40	800.40	Abandoned
CB-33 (Note 5)	1145385.00	650082.00	October 1980	805.00	807.08	2.1	NA	NA	45	40	45	47.1	5	765.00	760.00	Abandoned
CB-53 (Note 5)	1145545.60	650254.24	May 1985	798.22	800.62	2.4	NA	NA	50	44	49	51.4	5	754.22	749.22	Abandoned
CB-54 (Note 5)	1145558.00	650189.00	May 1985	794.70	796.89	2.2	NA	NA	30	24	29	31.2	5	770.70	765.70	Abandoned
CB-55 (Notes 1 & 2)	1145528.40	650115.21	May 1985	795.15	795.48	0.3	NA	NA	50	40	45	45.3	5	755.15	750.15	Abandoned
CB-55-SH (Note 5)	1145521.00	650114.00	May 1985	794.80	796.75	2.0	NA	NA	24	19	24	26.0	5	775.80	770.80	Abandoned
DMW-PROD	11486979.07	649524.63	Pre-1995 (estimated)	NS	NS	NA	NA	NA	958	100	958	NA	858	NA	NA	Abandoned
DOP-01 (Note 8)	1147424.61	648964.03	October 1992	743.80	747.49	3.7	2.4	1.3	300	265	290	293.7	25	478.80	453.80	Residuum
IW-14	1146387.68	650322.26	Pre-1995 (estimated)	753.65	754.95	1.3	NA	NA	46	1	46	47.3	45	752.65	707.65	Abandoned
MW-01 (Note 8)	1145104.14	650901.37	Pre-1995 (estimated)	NS	868.72	NA	NA	NA	62	47 and 57	52 and 62	NA	5 and 5	NA	NA	Residuum
MW-01A (Note 8)	1145095.00	651231.00	May 1985	NS	884.49	NA	NA	NA	56	51	56	NA	5	NA	NA	Residuum
MW-02 (Note 4)	1146152.48	651509.56	Pre-1995 (estimated)	774.63	777.05	2.4	NA	NA	43	38	43	45.4	5	736.63	731.63	Abandoned
MW-03 (Note 4)	1145959.19	651106.36	Pre-1995 (estimated)	789.50	791.00	1.5	NA	NA	73	58 and 68	63 and 73	NA	5 and 5	NA	NA	Abandoned
MW-07 (Note 8)	1147637.00	649173.00	Pre-1995 (estimated)	741.00	744.18	3.2	2.1	1.1	24	19	24	27.2	5	722.00	717.00	Residuum
MW-09 (Note 4)	1147320.00	648809.00	Pre-1995 (estimated)	748.10	750.02	1.9	NA	NA	28	23	28	29.9	5	725.10	720.10	Abandoned
MW-11 (Note 8)	1146061.00	651309.00	May 1985	NS	783.74	NA	NA	NA	29	24	29	NA	5	NA	NA	Residuum
MW-12 (Note 8)	1146004.00	651179.00	May 1985	NS	785.77	NA	NA	NA	28	23	28	NA	5	NA	NA	Residuum
MW-13 (Note 8)	1145913.00	650962.00	May 1985	NS	782.24	NA	NA	NA	29	24	29	NA	5	NA	NA	Residuum
MW-20	1147142.00	648862.00	June 1986	NS	752.43	NA	NA	NA	24	19	24	NA	5	NA	NA	Abandoned
MW-22	NA	NA	Pre-1995 (estimated)	NS	NS	NA	NA	NA	24	19	24	NA	5	NA	NA	Abandoned
OW-01 (Notes 5, 8)	1145248.00	650002.00	Pre-1995 (estimated)	811.20	812.71	1.5	1.3	0.3	26	21	26	26.5	5	791.20	786.20	Residuum
OW-05 (Notes 5, 8)	1146017.00	650148.00	Pre-1995 (estimated)	770.70	773.02	2.3	2.3	0.1	65	60	65	67.3	5	710.70	705.70	Residuum
OW-06 (Note 5)	1146226.77	650659.00	May 1985	787.00	788.71	1.7	NA	NA	43	38	43	44.7	5	749.00	744.00	Abandoned
OW-07 (Notes 5, 8)	1146355.13	650587.56	May 1985	781.20	785.82	4.6	4.5	0.1	43	38	43	47.6	5	743.20	738.20	Residuum
OW-08	1146604.44	650304.69	May 1985	NA	NA	NA	NA	NA	24	19	24	NA	5	NA	NA	Abandoned
OW-09 (Note 8)	1146931.00	650471.00	Pre-1995 (estimated)	736.30	738.36	2.1	2.0	0.1	40	33	38	40.1	5	703.30	698.30	Residuum
OW-11 (Notes 5, 8)	1145210.00	650158.00	October 1980	824.70	825.36	0.7	0.8	0.2	14	9	14	14.7	5	815.70	810.70	Residuum
OW-12 (Notes 5, 8)	1145139.00	650192.00	October 1980	831.60	835.34	3.7	3.3	0.4	34.5	29.5	34.5	38.2	5	802.10	797.10	Residuum
OW-13 (Notes 5, 8)	1145686.00	650472.00	October 1980	802.10	805.16	3.1	1.6	1.5	43	38	43	46.1	5	764.10	759.10	Residuum
OW-14 (Notes 5, 8)	1145608.00	650229.00	October 1980	803.30	806.98	3.7	3.5	0.1	46	41	46	49.7	5	762.30	757.30	Residuum
OW-16 (Notes 5, 8)	1145916.00	650209.00	December 1987	777.50	781.51	4.0	3.9	0.1	30	25	30	34.0	5	752.50	747.50	Residuum
OW-17 (Notes 5, 8)	1145606.00	650417.00	December 1987	810.30	812.29	2.0	2.1	0.1	40	35	40	42.0	5	775.30	770.30	Residuum
OW-18 (Note 8)	1147233.23	648906.40	October 1985	747.52	750.47	3.0	2.8	0.1	27.5	22	27	30.0	5	725.52	720.52	Residuum
OW-20 (Note 8)	1147295.14	649018.61	October 1985	744.80	747.62	2.8	2.5	0.3	23	15	20	22.8	5	729.80	724.80	Residuum
OW-21	1147523.72	649204.87	June 1986	739.10	742.83	3.7	NA	NA	36	26	36	39.7	10	713.10	703.10	Abandoned
OW-23 (Note 8)	1147323.02	649067.29	June 1986	744.40	747.53	3.1	2.8	0.4	23	18	23	26.1	5	726.40	721.40	Residuum
OW-25 (Note 8)	1145442.89	649908.69	Pre-1995 (estimated)	797.71	800.21	2.5	1.8	0.7	35	30	35	37.5	5	767.71	762.71	Residuum
OWR-01D (Note 8)	1147697.00	649884.00	June 1998	737.50	739.59	2.1	2.0	0.1	65	55	65	67.1	10	682.50	672.50	Residuum
OWR-02D (Note 8)	1146850.00	648703.00	June 1998	754.70	756.99	2.3	2.3	0.0	110	98	108	110.3	10	656.70	646.70	Residuum
OWR-03D (Note 8)	1146478.00	649093.00	June 1998	757.50	759.76	2.3	2.1	0.2	65	55	65	67.3	10	702.50	692.50	Residuum

TABLE A
WELL CONSTRUCTION SPECIFICATIONS

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Northing (Note)	Easting (Note)	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Stick-up (Elevations) (ft) (Note 6)	Stick-up (Measured) (ft) (Note 7)	Stick up Difference (ft)	Approximate Boring Depth (ft bgs)	Approximate Top of Screen (ft bgs)	Approximate Bottom of Screen (ft bgs)	Total Well Depth (to Bottom of Screen) (ft btoc)	Screened Interval Length (ft)	Top of Screen (ft msl)	Bottom of Screen (ft msl)	Well Type
Abandoned Wells (Continued)																
OWR-04D (Note 8)	1147481.00	649130.00	May 1998	741.90	746.03	4.1	2.1	2.0	80	70	80	84.1	10	671.90	661.90	Residuum
OWR-05D (Note 8)	1145694.00	650482.00	June 1998	802.40	804.93	2.5	2.0	0.5	68	58	68	70.5	10	744.40	734.40	Residuum
OWR-06D	1147190.00	650283.00	June 1998	734.50	736.79	2.3	2.1	0.2	65	55	65	67.3	10	679.50	669.50	Residuum
OWR-07D (Note 8)	1145807.00	648474.00	May 1998	772.10	774.49	2.4	2.0	0.4	65	55	65	67.4	10	717.10	707.10	Residuum
OWR-08S (Note 8)	1147145.00	648846.00	June 1998	752.90	755.17	2.3	2.3	0.0	35	25	35	37.3	10	727.90	717.90	Residuum
P-11-C	NA	NA	October 1980	NS	854.59	NA	NA	NA	75	70	75	NA	5	NA	NA	Abandoned
P-12-C	NA	NA	October 1980	NS	792.93	NA	NA	NA	40	35	40	NA	5	NS	NS	Abandoned
P-7-C	NA	NA	October 1980	NS	874.64	NA	NA	NA	70	65	70	NA	5	NS	NS	Abandoned
PZ-01 (Note 4)	1147144.16	648840.91	April 1991	753.08	754.92	1.8	NA	NA	52	45	50	51.8	5	708.08	703.08	Abandoned
PZ-02 (Note 4)	1147175.00	648893.30	April 1991	751.28	753.46	2.2	NA	NA	51	45	50	52.2	5	706.28	701.28	Abandoned
PZ-02A (Note 4)	1147170.46	648888.48	September 1991	751.85	753.05	1.2	NA	NA	35	28	33	34.2	5	723.85	718.85	Abandoned
PZ-03 (Note 4)	1147235.16	648965.57	April 1991	748.97	750.97	2.0	NA	NA	50.5	43.6	48.6	50.6	5	705.37	700.37	Abandoned
PZ-03A (Note 4)	1147235.06	648968.94	September 1991	748.69	750.69	2.0	NA	NA	34	28	33	35.0	5	720.69	715.69	Abandoned
PZ-04 (Note 4)	1147266.52	649019.69	April 1991	747.80	750.47	2.7	NA	NA	53.5	45	50	52.7	5	702.80	697.80	Abandoned
PZ-04A (Note 4)	1147267.65	649024.11	September 1991	747.73	749.73	2.0	NA	NA	31	25	30	32.0	5	722.73	717.73	Abandoned
PZ-04B (Note 4)	1147257.90	649007.00	September 1991	748.00	750.00	2.0	NA	NA	34	28	33	35.0	5	720.00	715.00	Abandoned
PZ-04C (Note 4)	1147249.04	648995.02	September 1991	748.53	750.35	1.8	NA	NA	34	28	33	34.8	5	720.53	715.53	Abandoned
PZ-05 (Note 4)	1147305.47	649087.47	April 1991	746.58	749.00	2.4	NA	NA	50.2	45	50	52.4	5	701.58	696.58	Abandoned
PZ-05A (Note 4)	1147306.28	649091.23	September 1991	746.22	748.22	2.0	NA	NA	27	21	26	28.0	5	725.22	720.22	Abandoned
PZ-06 (Note 4)	1147350.80	649162.93	April 1991	745.85	747.52	1.7	NA	NA	55	45	50	51.7	5	700.85	695.85	Abandoned
PZ-06A (Note 4)	1147348.68	649165.40	September 1991	745.53	747.20	1.7	NA	NA	30	24	29	30.7	5	721.53	716.53	Abandoned
PZ-07 (Note 4)	1147387.90	649233.41	April 1991	744.85	746.85	2.0	NA	NA	55	45	50	52.0	5	699.85	694.85	Abandoned
PZ-08 (Notes 4, 8)	1147442.42	649465.87	April 1991	747.84	750.51	2.7	2.6	0.1	49.9	44.9	49.9	52.6	5	702.94	697.94	Residuum
PZ-09 (Notes 4, 8)	1147132.36	649094.63	April 1991	747.38	749.71	2.3	2.2	0.2	55	35	40	42.3	5	712.38	707.38	Residuum
PZ-10 (Notes 4, 8)	1147012.08	648800.95	April 1991	753.98	756.06	2.1	2.3	0.2	55	45	50	52.1	5	708.98	703.98	Residuum
PZ-11 (Notes 4, 8)	1147283.97	648581.81	April 1991	749.09	750.71	1.6	1.5	0.1	50	40	45	46.6	5	709.09	704.09	Residuum
PZ-17C	1145032.26	650121.87	October 1980	823.30	825.64	2.3	NA	NA	31	26	31	33.3	5	797.30	792.30	Abandoned
PZ-20B (Note 4)	1147144.21	648896.65	Pre-1995 (estimated)	751.87	754.08	2.2	NA	NA	25	NA	NA	NA	NA	NA	NA	Abandoned
PZR-01 (Note 8)	1145640.00	650398.00	June 1998	804.40	806.91	2.5	2.0	0.5	60	40	60	62.5	20	764.40	744.40	Residuum
PZR-02 (Note 8)	1145685.00	650464.00	June 1998	803.50	805.86	2.4	2.0	0.4	60	40	60	62.4	20	763.50	743.50	Residuum
PZR-03 (Note 8)	1145699.00	650508.00	June 1998	802.40	805.05	2.6	2.0	0.6	61	41	61	63.7	20	761.40	741.40	Residuum
PZR-04 (Note 8)	1145717.00	650531.00	June 1998	801.50	803.94	2.4	NA	NA	60	40	60	62.4	20	761.50	741.50	Residuum
PZR-05 (Note 8)	1146377.00	650315.00	June 1998	753.30	755.73	2.4	1.9	0.5	46	26	46	48.4	20	727.30	707.30	Residuum
PZR-06 (Note 8)	1146344.00	650252.00	June 1998	754.90	757.09	2.2	1.9	0.3	46	26	46	48.2	20	728.90	708.90	Residuum
SA-06 (Notes 4, 8)	1145716.25	651609.36	October 1980	813.56	815.56	2.0	3.1	1.1	50	45	50	52.0	5	768.56	763.56	Residuum
SA-22 (Notes 4, 8)	1145948.64	651103.33	October 1980	790.00	792.84	2.8	3.6	0.8	24	18	23	25.8	5	772.00	767.00	Residuum
SA-64 (Notes 4, 8)	1147406.02	648641.11	Pre-1995 (estimated)	746.23	748.65	2.4	2.0	0.4	24	19	24	26.4	5	727.23	722.23	Residuum
SA-85 (CB-85) (Notes 5, 8)	1147479.00	649972.00	Pre-1995 (estimated)	733.80	736.37	2.6	2.8	0.2	40	35	40	42.6	5	698.80	693.80	Residuum
SBP-01 (Note 8)	1146863.48	648695.95	August 1992	755.55	758.17	2.6	2.5	0.1	157	137	152	154.6	15	618.55	603.55	Bedrock
SBP-02 (Note 8)	1147132.39	649190.70	July 1992	747.07	749.40	2.3	2.3	0.0	140	123	138	140.3	15	624.07	609.07	Bedrock
SBP-03 (Note 8)	1147578.15	649183.78	August 1992	740.60	744.41	3.8	2.3	1.6	102	90	100	103.8	10	650.60	640.60	Bedrock
SBP-04 (Note 8)	1146471.57	649111.31	September 1992	758.97	761.30	2.3	2.3	0.0	147.5	130	145	147.3	15	628.97	613.97	Bedrock
SBP-05 (Note 8)	1147087.09	648744.38	November 1992	753.55	755.88	2.3	3.0	0.7	140	128	138	140.3	10	625.55	615.55	Bedrock
T-5 (Note 8)	1146124.36	650076.51	October 2006	765.09	767.16	2.1	2.0	0.0	145	118	128	130.1	10	647.09	637.09	Bedrock
T-8	1148356.55	650241.87	April 2008	724.65	727.59	2.9	2.9	0.0	25	15	25	27.9	10	709.65	699.65	Abandoned
T-12	1148436.92	650149.56	April 2008	724.88	727.88	3.0	3.0	0.0	28	18	28	31.0	10	706.88	696.88	Abandoned
T-13	1148354.67	654352.57	August 2010	711.22	714.25	3.0	3.0	0.0	35	24	34	37.0	10	687.22	677.22	Abandoned
T-14	1146450.19	655874.83	August 2010	678.97	681.69	2.7	2.7	0.0	17	10	17	19.7	7	668.97	661.97	Abandoned
T-15	1144643.05	656977.08	August 2010	667.36	670.32	3.0	3.0	0.0	18	10	18	21.0	8	657.36	649.36	Abandoned



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WELL CONSTRUCTION SPECIFICATIONS

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Well ID	Northing (Note)	Easting (Note)	Date Installed	Ground Surface Elevation (ft msl)	Top of Casing Elevation (ft msl)	Stick-up (Elevations) (ft) (Note 6)	Stick-up (Measured) (ft) (Note 7)	Stick up Difference (ft)	Approximate Boring Depth (ft bgs)	Approximate Top of Screen (ft bgs)	Approximate Bottom of Screen (ft bgs)	Total Well Depth (to Bottom of Screen) (ft btoc)	Screened Interval Length (ft)	Top of Screen (ft msl)	Bottom of Screen (ft msl)	Well Type
Abandoned Wells (Continued)																
T-17	1130535.33	658846.48	January 2012	605.81	605.46	-0.3	NA	NA	14	3.5	13.5	13.2	10	602.31	592.31	Abandoned
WEL-02 (Note 8)	1145721.67	648436.57	April 1994	773.68	775.35	1.7	1.5	0.1	31	18.5	28.5	30.2	10	755.18	745.18	Residuum
WEL-03 (Note 8)	1145905.50	648498.69	April 1994	769.40	771.73	2.3	2.4	0.0	32	19.5	29.5	31.8	10	749.90	739.90	Residuum

- Notes:
1. Well locations are shown on Figure 2.

2. ft = Feet

ft bgs = Feet Below Ground Surface

ft btoc = Feet Below Top of Casing

ft msl = Feet Above Mean Sea Level

3. Northing and Easting reported for State Plane Alabama East (FIPS 0101 Feet)

4. Stick-up estimated based on ground surface elevation.

5 Ground surface around well may have been modified after well installed. Ground surface elevation reflects most recent measured elevation.

6 Stick-up measurement based on well construction logs or difference between top of casing and ground elevation where indicated.

7 Stick-up measurement taken on October 2007, except for T-7 to T-12 (October 2008) and T-13 to T-15 (August 2010).

8 Well plugged and abandoned between June and September 2021.

NA = Not Available

NS = Not Surveyed

RFI = Resource Conservation Recovery Act (RCRA) Facility Investigation

SSSMA = South Staging and Soil Management Area

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX B: PURGING LOGS

APRIL 2021 PURGING LOGS

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LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739	Date: 4-13-21	Personnel: STN
Project: Spring GWR Sampling - Monday	Client: Solution	Page: 1 of 1
Well ID: MW-13A	Starting Water Level: 93.99	Time: 1607
Total Depth: 114.95	Ending Water Level: 94.60	Time: 1643
Purging Time: On: 1615	Evacuation Method: Dedicated bladder pump	
Off: 1643	Volume in Well (gallons): 4.82	
Well Depth: 112.5 123.5	Evacuation Rate (gal/min): 0.065	
Screen Depth: 107.7 - 112.5	Total Volume Removed (gallons): 4.5	

PURGING DATA AND FIELD PARAMETERS

[illegible]

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal
Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

Sampled MW-134 @ 1643

$$V = \pi (D/2)^2 \times h \times 7.48 \text{ gal / ft}^3$$

0.006744 ft^3
Per 2" well

$$V = \pi (D/2)^2 \times 7.48 \text{ gal/ft}^3$$

$$= 1637.88 \text{ ft}^3$$

5525 ml purged
3785 ml gal
1.46

$$h = 123.5 - 43.99 = 79.51$$

$$v = 0.163188 \times 79.51 = 12.98$$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739/5740	Date: 4-14-21	Personnel: STR
Project: Aniston BW sampling	Client: Solution	Page: 1 of 1
Well ID: MW-01B	Starting Water Level: 30.78	Time: 9:15
Total Depth: 63.72	Ending Water Level: 35.81	Time: 9:55
Purging Time: 9:21	Evacuation Method: Peditated bladder pump	
On: 9:55	Volume in Well (gallons): 5.42 gal	
Off: 64'	Evacuation Rate (gal/min): 0.033 gal/min (exact) (0.029 gal/min approx)	
Well Depth: 59'-64'	Total Volume Removed (gallons): ~1 gal (1.12 gal exact)	
Screen Depth:		

PURGING DATA AND FIELD PARAMETERS

[illegible]

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal
Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Three successive readings every 3 to 5 minutes to include:	
✓ Temperature:	+/- 3 °C
✓ pH:	+/- 0.1 Standard Units
✓ Specific Conductivity:	+/- 3%
✓ ORP:	+/- 10 mV
✓ Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
✓ Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

notes:

$$V = \pi (D/2)^2 \times h (\text{column}) \times 7.48 \text{ gal/ft}^3$$
$$h = 64 - 30.78 = 33.22'$$
$$V = \pi \times 0.083^2 \times 33.22 \times 7.48 \text{ gal/ft}^3 = 5.42 \text{ gal}$$

$$D = 2^{11} \text{ well} \approx 0.166\overline{6}$$

D/2" well = 0.083'

$$D_{12}'' \text{ well} = (D_{12} / 0.083')^2 = 0.406844 \text{ ft}^2$$

4250 mL purged

3.995L
1 gal

1.12 gal (x) vol in m
p. inge

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4-14-21 Personnel: STH

Project: Spring Amistad GW Sampling Client: Solutia Page: 1 of 2

Well ID: MW-14 Starting Water Level: 11.18 Time: 1350 : 1511

Total Depth: 25.66 Ending Water Level: 15.08 Time: 1610

Purging Time: On: 1512 Evacuation Method: Delicatol Bladder pump w/ foam-lined tubing

Off: 1610 Volume In Well (gallons): 2.45

Well Depth: 26.2' Evacuation Rate (gal/min): 0.056

Screen Depth: 21.2 - 26.2' Total Volume Removed (gallons): 3.22

PURGING DATA AND FIELD PARAMETERS

± 3.0 ± 0.1 10% ± 3.0 70.5 10% ± 10 mV

	Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (*F/*C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
3	1512	11.95	200	12.1	6.19	45.0	248.0	5.08	207.3	Slightly colored, slightly odor
3	1515	12.52	200	11.9	6.05	24.2	273.0	3.70	214.1	clear / none
3	1518	13.13	200	11.9	6.03	30.3	281.1	2.71	214.0	" / "
3	1521	13.60	200	11.9	6.02	83.4	285.2	2.56	213.1	slightly / none
3	1524	13.80	200	11.9	6.02	108	287.4	2.08	212.1	" / "
3	1527	13.95	200	11.9	6.02	190	287.8	1.73	211.2	" / "
3	1530	14.14	200	11.9	6.03	359	288.2	1.54	210.1	cloudy / none
3	1533	14.31	200	11.9	6.04	548	288.3	1.34	209.0	" / "
3	1536	14.45	200	11.9	6.05	605	288.5	1.20	208.0	" / "
3	1539	14.54	200	11.9	6.06	652	288.8	1.08	206.8	" / "
3	1542	14.62	200	11.9	6.07	673	289.0	1.02	206.1	" / "
3	1545	14.73	200	11.9	6.07	747	289.6	0.94	205.4	" / "
3	1548	14.88	200	12.0	6.08	679	289.1	0.87	204.6	" / "
3	1551	15.00	200	12.0	6.09	543	289.0	0.86	203.8	" / "
4	1555	15.09	200	12.0	6.09	448	288.9	1.30	202.9	" / "
3	1558	15.09	200	12.0	6.10	417	289.1	1.02	202.5	" / "
3	1601	15.12	200	12.0	6.11	469	289.0	0.86	201.8	" / "
3	1604	15.11	200	12.0	6.12	568	288.9	0.76	201.3	" / "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Temperature:	± 3 °C
pH:	± 0.1 Standard Units
Specific Conductivity:	$\pm 3\%$
ORP:	± 10 mV
Dissolved Oxygen:	< 0.5 mg/L $\pm 10\%$ if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or $\pm 10\%$ if turbidity is greater than 10 NTUs

Notes:

$$V = \pi (D/2)^2 \times h \times 7.48 \text{ gal / ft}^3$$

$$V = 0.163188 \times h$$

$$h = 26.2 - 11.18 = 15.02$$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: <u>5739</u>	Date: <u>4/15/21</u>	Personnel: <u>AJV, WBS</u>
Project: <u>Anniston GW Sample</u>	Client: <u>Southern</u>	Page: <u>1</u> of <u>1</u>

Well ID: <u>OW-16A</u>	Starting Water Level: <u>10.93</u>	Time: <u>925</u>
Total Depth: <u>35.18</u>	Ending Water Level: <u>12.84</u>	Time: <u>1017</u>

Purging Time: On: <u>0950</u>	Evacuation Method: <u>delisted bladder pump</u>
Off: <u>1017</u>	Volume in Well (gallons): <u>3.87 gal</u>
Well Depth: <u>35.1</u>	Evacuation Rate (gal/min): <u>0.048 gal/min</u>
Screen Depth: <u>25.1-35.1</u>	Total Volume Removed (gallons): <u>1.3 gal</u>

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
0950	11.66	200	16.1	4.79	3.28	170.0	1.83	256.2	clear, no odor
0953	11.96	150	16.5	4.88	7.22	167.9	1.70	255.0	clear, no odor
0956	12.08	150	16.5	4.88	15.6	168.0	1.49	256.5	clear, no odor
0959	12.21	150	16.5	4.88	12.7	167.5	1.11	257.9	clear, no odor
1002	12.33	125	16.6	4.88	11.3	167.6	0.87	258.8	clear, no odor
1005	12.41	180	16.5	4.89	10.4	167.4	0.68	259.6	clear, no odor
1008	12.72	225	16.8	4.88	10.5	166.3	0.49	260.6	clear, no odor
1011	12.86	150	16.9	4.87	9.72	165.1	0.48	262.8	clear, no odor
1014	12.82	150	16.7	4.85	9.22	164.4	0.47	264.6	clear, no odor
1017	12.84	150	16.7	4.85	8.97	163.6	0.45	265.6	clear, no odor

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

Pressure 50-55 ft
 CPM = 4
 Discharge time = 1.5 sec

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4-15-21 Personnel: WBS, AJV
 Project: Anniston RCRA GW Client: Solutia Page: 1 of 1
 Well ID: MW-16 Starting Water Level: 26.57 Time: 14:50
 Total Depth: 70.68 Ending Water Level: 34.76 Time: 15:28
 Purging Time: On: 14:57 Evacuation Method: dedicated bladder pump
 Off: 15:28 Volume In Well (gallons): 7.12 gal
 Well Depth: 71.1 btoe Evacuation Rate (gal/min): 0.043 gpm
 Screen Depth: 61.1-71.1 btoe Total Volume Removed (gallons): 1.33 gallons

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
14:57	27.45	125	18.6	4.72	3.07	64.0	0.59	267.4	clear, no odor
15:00	28.16	175	19.7	4.69	2.18	58.7	2.05	523.5	clear, yellow, no odor
15:03	29.28	225	19.9	4.56	13.8	58.1	1.32	336.9	clear, yellow, no odor
15:06	30.10	200	19.9	4.65	19.4	55.6	1.04	301.2	clear, yellow, no odor
15:09	30.82	90	20.0	4.64	21.2	54.5	0.99	287.3	" " " "
15:12	31.30	175	20.2	4.61	23.4	53.4	0.94	279.5	" " " "
15:15	32.07	150	19.8	4.62	21.4	51.8	0.83	272.2	" " " "
15:18	32.70	150	20.0	4.57	19.4	51.0	0.83	266.4	" " " "
15:21	33.33	200	19.9	4.55	17.6	50.4	0.75	263.7	" " " "
15:25	34.15	150	20.0	4.54	17.3	49.4	0.71	258.6	" " " "
15:28	34.76	150	20.0	4.54	16.4	49.2	0.71	256.3	" " " "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

80 FT of pressure
 4 cycle per minute
 3.0 second per discharge

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: <u>5740</u>	Date: <u>4-15-21</u>	Personnel: <u>JTA, STP</u>
Project: <u>Anniston Spring GW sampling</u>	Client: <u>Solutia</u>	Page: <u>1</u> of <u>1</u>
Well ID: <u>OWP-35</u>	Starting Water Level: <u>9.75</u>	Time: <u>1228</u>
Total Depth: <u>37.25</u>	Ending Water Level: <u>15.60</u>	Time: <u>1308</u>

Purging Time: <u>1241</u>	Evacuation Method: <u>portable bladder pump - teflon lined tubing</u>
On: <u>1308</u>	Volume In Well (gallons): <u>4.49 gallons</u>
Off: <u>1308</u>	Evacuation Rate (gal/min): <u>0.055 gal/min</u>
Well Depth: <u>37.2</u>	Total Volume Removed (gallons): <u>~1.5 gal</u>
Screen Depth: <u>27.2 - 37.2</u>	

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1241	9.64	300	14.1	5.08	34.5	139.4	5.06	194.9	clear no odor
1244	10.36	200	14.1	4.83	35.8	135.0	2.66	203.7	" "
1247	11.57	200	14.1	4.86	34.5	134.9	2.30	204.0	" "
1250	11.90	200	14.0	4.87	30.5	135.0	1.96	204.7	" "
1253	12.69	200	14.0	4.85	25.3	135.0	1.77	206.0	" "
1256	13.68	200	14.0	4.94	21.7	135.0	1.67	206.9	" "
1259	14.20	150	14.1	4.91	19.5	135.2	1.58	206.9	" "
1302	14.73	150	14.0	4.90	17.7	134.7	1.53	206.9	" "
1305	15.05	150	14.0	4.90	16.8	134.7	1.52	207.1	" "
1308	15.60	150	14.0	4.88	16.1	134.8	1.48	207.4	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

H = 27.45

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: <u>5739</u>	Date: <u>4-13-21</u>	Personnel: <u>JFA, ATV</u>
Project: <u>Anniston GW sampling</u>	Client: <u>Solutia</u>	Page: <u>1</u> of <u>1</u>
Well ID: <u>MW-12A</u>	Starting Water Level: <u>97.09</u>	Time: <u>1530</u>
Total Depth: <u>115.18</u>	Ending Water Level: <u>97.28</u>	Time: <u>1620</u>

Purging Time: <u>1545</u>	Evacuation Method: <u>dedicated bladder pump, teflon lined tubing</u>
On: <u>1620</u>	Volume in Well (gallons): <u>2.44</u> gallons
Off: <u>1620</u>	Evacuation Rate (gal/min): <u>0.03</u> gallons/minute
Well Depth: <u>112 ft bto c</u>	Total Volume Removed (gallons): <u>~1.5</u> gallons
Screen Depth: <u>105-110 ft bgs</u>	

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F/°C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1550	97.22	100	16.0	7.65	0.47	250.1	10.15	180.4	clear, no odor
1553	97.24	100	16.3	7.49	0.41	248.4	9.70	185.3	"
1556	97.24	100	16.4	7.30	0.34	247.9	9.28	188.6	"
1559	97.27	100	16.6	7.16	0.27	246.7	9.25	192.4	"
1602	97.29	100	16.6	7.03	0.48	246.9	9.27	199.5	"
1605	97.31	100	16.6	7.12	0.70	248.6	8.43	194.6	"
1608	97.27	100	16.7	7.25	1.15	254.0	7.32	190.3	"
1611	97.28	100	16.7	7.31	1.28	255.8	7.02	188.2	"
1614	97.27	100	16.7	7.40	1.67	258.2	6.78	185.6	"
1617	97.24	100	16.6	7.44	1.40	258.7	6.34	183.7	"
1620	97.28	100	16.6	7.49	1.40	258.8	6.55	182.5	"
1623									

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes: screen 105-110 ft bgs, ~2 ft stick up
do not draw down below ~107 ft bgs

$$V = 3.14 (0.167/2)^2 \cdot (112 - 97.09) \cdot 7.48$$

14.91

$$V = 2.44 \text{ gal}$$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4/14 Personnel: ADU Ja
 Project: Anglo-springs groundwater sampling Client: Solatia Page: 1 of 2
 Well ID: mw-114 Starting Water Level: 95.13 Time: 850
 Total Depth: 112.40 Ending Water Level: 95.70 Time: 1036
 Purging Time: 900 Evacuation Method: dedicated bladder pump
 On: 1036 Volume In Well (gallons): 3.1 gal
 Off: 1036 Evacuation Rate (gal/min): 0.073 gal/min
 Well Depth: 115 FT B.T.O.C. Total Volume Removed (gallons): ~7 gal
 Screen Depth: 109-114 FT B.T.O.C.

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
900	95.72	250	16.2	6.17	5.94	280.2	10.20	345.0	Clear No odor
903	95.60	300	16.5	6.72	19.8	258.5	8.59	328.3	" "
908	95.65	300	16.5	7.01	115	236.7	6.03	317.2	" "
909	95.65	300	16.5	7.13	220	236.7	5.64	312.1	Cloudy - No odor
912	95.64	350	16.5	7.23	1000	237.8	5.46	308.4	Very cloudy - No odor
915	95.55	250	16.5	7.31	max	236.8	5.58	304.2	" "
918	95.55	250	16.5	7.37	944	237.6	5.57	300.4	" "
921	95.54	250	16.4	7.41	685	238.7	5.63	298.4	Cloudy No odor
924	95.49	200	16.4	7.44	501	239.9	5.65	296.1	" "
927	95.41	200	16.4	7.46	359	240.5	5.69	294.6	" "
930	95.40	150	16.4	7.47	265	241.7	5.64	293.5	" "
931 Pump/car battery died									
939 New car battery - continue low flow									
940	95.62	250	16.1	7.49	209	243.1	5.85	289.4	" "
943	95.72	300	16.6	7.50	101	247.5	5.90	288.5	" "
946	95.72	300	16.6	7.51	67.0	248.3	5.63	287.7	Clear-ish No odor
949	95.68	300	16.5	7.52	40.2	246.3	5.46	286.3	clear no odor
952	95.65	300	16.5	7.55	98.5	241.9	5.64	285.0	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

110 do not exceed W

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4/14 Personnel: ASU JA
 Project: Ammonia spray GS sampling Client: Solutia Page: 2 of 2
 Well ID: MW-11A Starting Water Level: 95.13 Time: 850
 Total Depth: 112.40 Ending Water Level: 95.70 Time: 1036
 Purging Time: 900 Evacuation Method: dedicated bladder pump
 On: 1036 Volume In Well (gallons): 3.1 gal
 Off: 115 FT BTOL Evacuation Rate (gal/min): 0.073 gal/min
 Well Depth: 109-114 FT BTOL Total Volume Removed (gallons): ~7 gal

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F/°C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
9:55	95.65	275	16.5	7.55	11.6	241.4	5.46	284.2	" "
9:58	95.67	250	16.5	7.56	88.7	242.5	5.54	287.6	" "
10:01	95.66	275	16.5	7.56	57.7	244.0	5.42	282.9	" "
10:04	95.66	275	16.6	7.56	39.7	244.7	5.28	282.3	" "
10:07	95.68	275	16.5	7.57	28.8	245.9	5.72	281.4	" "
10:10	95.66	275	16.6	7.57	27.1	246.0	5.34	280.6	" "
10:13	95.65	275	16.6	7.57	22.71	245.8	5.70	280.1	" "
10:16	95.68	250	16.5	7.58	20.2	245.5	5.25	279.5	" "
10:19	95.68	250	16.5	7.58	22.6	245.4	5.29	278.9	" "
10:21	95.65	250	16.5	7.58	25.4	245.5	5.36	278.4	" "
10:24	95.67	250	16.5	7.58	29.7	245.9	5.26	278.1	" "
10:27	95.30	NM	16.6	7.58	NM	245.7	5.21	277.1	" "
10:30	95.65	275	16.3	7.58	30.3	246.4	5.54	277.2	" "
10:33	95.70	250	16.6	7.58	33.2	246.5	5.41	276.5	" "
10:36	95.70	275	16.6	7.58	30.1	246.2	5.55	276.0	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

10:28 Battery died

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: <u>5739</u>	Date: <u>4-14-21</u>	Personnel: <u>JA, AJV</u>
Project: <u>Anniston Spring GW sampling</u>	Client: <u>Solutia</u>	Page: <u>1</u> of <u>1</u>
Well ID: <u>MW-09A</u>	Starting Water Level: <u>18.85</u>	Time: <u>1300</u>
Total Depth: <u>36.19</u>	Ending Water Level: <u>19.64</u>	Time: <u>1327</u>

Purging Time: <u>1304</u>	Evacuation Method: <u>dedicated bladder pump</u>
On: <u>1327</u>	Volume in Well (gallons): <u>2.79 gallons</u>
Off: <u>1327</u>	Evacuation Rate (gal/min): <u>0.076 gal/min</u>
Well Depth: <u>36 ft bto</u>	Total Volume Removed (gallons): <u>~1.75 gal</u>
Screen Depth: <u>23-33 ft bto</u>	

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (R TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1304	19.27	N/A	18.4	5.81	11.7	142.7	7.55	275.6	clear, no odor
1309	19.89	N/A	19.2	4.98	34.0	118.1	4.69	309.1	"
1312	19.45	200	20.3	4.93	26.4	117.4	5.33	323.1	"
1315	19.52	175	19.20	4.92	16.6	115.1	5.12	328.8	"
1318	19.56	200	19.20	4.90	13.3	115.1	5.04	336.4	"
1321	19.60	200	19.20	4.88	8.80	115.7	5.02	341.8	"
1324	19.61	200	19.20	4.87	6.05	116.0	4.88	346.5	"
1327	19.64	200	19.20	4.85	4.30	115.8	4.92	351.5	"

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
Turbidity:	+/- 10% if DO is greater than 0.5 mg/L
	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

do not go past 26 ft bto

h = 17.15

Purging Time:	On: 1725	Evacuation Method:	dedicated bladder pump
	Off: 1746	Volume In Well (gallons):	3.38 gallons
Well Depth:	30.6 ft btoC	Evacuation Rate (gal/min):	0.07 gal/min
Screen Depth:	22-27 ft btoC	Total Volume Removed (gallons):	~1.5 gal

[illegible]

Notes: do not exceed 24 ft b/c

$h = 21.57$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4-16-21 Personnel: STP, AJV
 Project: Amston Spring GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-20A Starting Water Level: 8.72 Time: 853
 Total Depth: 25.71 Ending Water Level: 12.58 Time: 1000

Purging Time: 9:18 Evacuation Method: Dedicated Bladder Pump w/ Teflon Tubing
 On: 1000 Volume in Well (gallons): 2.70
 Off: 1000 Evacuation Rate (gal/min): 0.02 GPM
 Well Depth: 25.3 Total Volume Removed (gallons): 2.5 1.2
 Screen Depth: 21.3 - 25.3

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
918	9.41	160	12.6	7.00	6.43	1349	5.11	138.4	Clear No odor
921	10.12	160	12.8	6.90	5.41	1324	3.78	117.6	Clear Slight odor
924	10.58	100	12.8	6.89	4.74 4.74	1318	2.67	88.7	" " 42.4
927	10.93	100	12.7	6.89	3.79	1313	2.70	72.0	" "
930	11.07	100	12.7	6.88	37.8	1313	2.20	66.7	" "
933	11.34	100	12.7	6.88	44.1	1308	1.85	54.4	" "
936	11.52	100	12.8	6.87	57.7	1306	1.67	46.2	Clear Slight
939	11.72	100	12.8	6.87	56.5	1305	1.51	33.4	Clear No odor
942	11.88	100	12.9	6.87	NM	1305	1.37	26.7	Clear Slight
945	12.01	100	12.9	6.86	64.0	1304	1.28	19.0	" "
948	12.15	100	12.9	6.87	64.7	1304	1.28	11.7	Clear No odor
951	12.26	100	12.8	6.86	62.6	1304	1.14	5.6	Clear No odor
954	12.38	100	12.8	6.86	60.8	1303	1.06	-1.7	" "
957	12.49	100	12.9	6.86	57.3	1302	1.03	-5.2	" "
1000	12.58	100	12.9	6.85	57.9	1301	1.01	-10.8	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

$$V = \pi (D/2)^2 \times H \times 7.48 \text{ gal/ft}^3$$

$$25.3 - 8.72 = 16.58$$

$$16.58 \times 16.3188$$

4560

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4-16-2021 Personnel: JA
 Project: Anniston Spring GAO sampling Client: Solutia Page: 1 of 1
 Well ID: OW-15 Starting Water Level: 8.40 Time: 1106
 Total Depth: 45.32 Ending Water Level: JA 26.15 Time: JA 1335
 Purging Time: First time 1112 Second time 1320 Evacuation Method: dedicated bladder pump
 On: 1112 Off: 1335 Volume in Well (gallons): 4.83 gallons
 Well Depth: 37.9 ft b100 Evacuation Rate (gal/min): JA 2.48 gal/min 0.037 gal/min
 Screen Depth: 37.9 - 42.9 ft b100 Total Volume Removed (gallons): -1 gal

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1112	9.11	100	17.0	6.12	0.60	114.7	7.46	221.3	clear, no odor
1115	9.20	100	16.4	5.48	1.08	112.0	6.20	216.5	" "
1118	9.63	175	16.5	4.80	0.73	109.9	4.87	183.2	" "
1121	10.25	200	16.8	4.74	1.28	108.5	4.71	181.1	" "
1124	10.70	200	16.9	5.17	1.33	109.0	5.09	180.6	" "
Filled bottles @ 1124 then realized pH was not stable, -- discarded those samples and started over									
1320	24.88	100	18.7	5.39	0.59	109.5	6.11	204.9	clear, no odor
1323	25.19	100	17.0	5.25	0.70	108.0	5.11	193.9	" "
1326	25.49	100	17.5	5.29	0.94	107.8	5.72	197.6	" "
1329	25.64	100	17.7	5.19	0.92	107.7	4.70	195.6	" "
1332	25.85	100	17.7	5.19	0.49	107.8	4.67	194.5	" "
1335	26.15	100	17.8	5.19	0.58	107.8	4.77	195.0	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

$H = 37.9 - 8.40 = 29.5$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 4-17-21 Personnel: JA
 Project: Anniston Spring GW Sampling Client: Solutia Page: 1 of 1
 Well ID: OW-22 Starting Water Level: 13.00 Time: 1110
 Total Depth: 38.75 Ending Water Level: 16.35 Time: 1201
 Purging Time: 1128 Evacuation Method: dedicated bladder pump
 On: 1201 Volume in Well (gallons): ~3.952 gallons
 Off: 1201 Evacuation Rate (gal/min): 0.066 gal/min
 Well Depth: 37.7 ft bto Total Volume Removed (gallons): ~2.18 gallons
 Screen Depth: 27.7 + 37.7 ft bto

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1128	14.25	300	18.3	4.42	0.92	80.6	4.38	328.4	clear, no odor
1131	15.11	300	18.7	4.41	7.71	78.1	3.34	321.2	" "
1134	15.80	300	18.9	4.37	28.3	75.1	4.37	316.9	" "
1137	16.08	300	18.8	4.38	51.2	73.3	2.37	311.2	" "
1140	16.11	200	18.9	4.39	55.6	71.1	4.35	302.5	" "
1143	16.17	200	18.8	4.38	61.4	76.4	2.20	304.6	" "
1146	16.18	200	18.9	4.37	56.7	75.0	2.21	306.3	" "
1149	16.90	300	18.9	4.34	41.5	80.7	2.27	329.3	" "
1152	16.52	200	19.1	4.37	34.7	80.7	1.97	344.0	" "
1155	16.41	150	19.3	4.36	28.2	80.8	2.18	346.6	" "
1158	16.42	150	18.9	4.34	26.5	80.7	2.07	351.1	" "
1201	16.35	150	18.9	4.34	26.6	80.6	2.27	353.6	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
Turbidity:	+/- 10% if DO is greater than 0.5 mg/L
	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

$$H = 37.7 - 13 = 24.7$$

4500
 2400
 1350

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4-17-21 Personnel: JFA
 Project: Amistat Spring GW Sampling Client: Solution Page: 1 of 1
 Well ID: T-04 Starting Water Level: 9.39 Time: 1504
 Total Depth: 26.28 Ending Water Level: 9.95 Time: 1554

Purging Time: On: 1530 Evacuation Method: portable bladder pump
 Off: 1554 Volume In Well (gallons): ~ 2.6 gallons
 Well Depth: 25.8 ft bto c Evacuation Rate (gal/min): 0.050 gal/min
 Screen Depth: 15.8 - 25.8 ft bto c Total Volume Removed (gallons): ~ 1.4 gallons

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1530	9.85	200	18.9	6.21	15.8	215.3	4.18	256.4	clear, no odor
1533	9.86	200	18.5	6.22	12.3	214.1	4.10	253.7	" "
1536	9.88	200	18.3	6.21	12.7	214.5	4.23	253.7	" "
1539	9.88	200	18.3	6.17	10.9	215.2	3.88	254.1	" "
1542	9.84	225	18.3	6.16	8.62	217.4	3.73	253.4	" "
1545	9.83	225	18.2	6.17	8.64	219.0	3.75	253.8	" "
1548	9.94	250	18.1	6.15	7.73	221.5	3.50	251.0	" "
1551	9.99	250	18.1	6.15	6.78	222.7	3.40	249.3	" "
1554	9.95	250	18.0	6.15	5.83	223.1	3.38	247.4	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
Turbidity:	+/- 10% if DO is greater than 0.5 mg/L < 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

pump set at ~20.8 ft bto c
 $H = 25.8 - 9.39 = 16.41$

2400
 1350
 1500

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4-17-21 Personnel: STP, ASV
 Project: Amnicor Spring GW Sampling Client: Solutia Page: 1 of 2
 Well ID: T-9 Starting Water Level: 15.37 Time: 1414
 Total Depth: 39.82' Ending Water Level: 15.74 Time: 1527
 Purging Time: 1430 Evacuation Method: Portable bladder pump
 On: 1527 Volume in Well (gallons): 4.02
 Off: 1527 Evacuation Rate (gal/min): 0.18 - 0.018
 Well Depth: 40.0' Total Volume Removed (gallons): 1.03
 Screen Depth: 30-40'

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1430	14.68	210	13.5	6.18	144	227.4	8.21	139.1	Tan water No odor
1433	15.12	200	13.2	5.73	204	211.5	5.65	145.1	"
1436	15.44	200	13.0	5.91	157	210.3	5.42	148.0	Tan Slight
1439	15.55	210	13.0	5.65	122	214.0	5.20	149.5	"
1442	15.59	200	13.0	5.64	95.7	220.1	4.96	151.3	Marky No odor
1445	15.65	200	13.8	5.65	74.2	227.3	4.77	152.7	"
1448	15.65	200	13.0	5.67	52.6	237.3	4.34	153.6	Marky Slight
1451	15.68	210	12.9	5.68	47.0	243.8	4.11	153.7	Clear No odor
1454	15.68	200	12.9	5.69	37.8	246.8	4.05	154.2	"
1457	15.70	200	12.9	5.70	36.3	247.8	4.00	154.3	"
1500	15.74	NM	12.9	5.70	30.7	249.3	3.93	154.9	NM
1503	15.70	200	13.0	5.71	26.5	250.3	3.92	155.2	4-13-21 etno on
1506	15.70	200	13.0	5.71	26.1	250.5	3.83	155.3	clear no odor
1509	15.73	200	13.2	5.71	23.8	251.3	3.78	155.4	" / "
1512	15.74	200	13.2	5.73	21.7	252.2	3.75	154.6	" / "
1515	15.70	200	13.3	5.74	18.1	253.3	3.98	155.0	" / "
1518	15.73	200	13.2	5.75	16.6	253.9	3.85	154.7	" / "
1521	15.74	200	13.3	5.75	13.7	254.7	3.62	155.1	" / "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

ISI shut off @ 1515.

$$V = \pi r^2 (D/2)^2 \times h \times 7.48 \text{ gal / ft}^3$$

$$V = 0.163188 \times h = V = 4.02$$

$$h = 40.0' - 15.37' = 24.63$$

3880 ml 121 21.03

3885 3785 ml

minutes purged = 57 minutes @ 0.18

PURGING DATA AND FIELD PARAMETERS

Notes:

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4-19-21 Personnel: JA
 Project: Anniston Spring GW Sampling Client: SOLUTION Page: 1 of 1
 Well ID: DWR-15D Starting Water Level: 14.02 Time: 840
 Total Depth: 66.8 ft bto Ending Water Level: 22.61 Time: 931
 Purging Time: 904 Evacuation Method: portable bladder pump
 On: 931 Volume in Well (gallons): 8.4 gallons
 Off: 931 Evacuation Rate (gal/min): 0.068 gallons/minute
 Well Depth: 66.5 ft bto Total Volume Removed (gallons): 1.86 gallons
 Screen Depth: 56.5 - 66.5 ft bto

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umho/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
904	14.60	250	16.1	6.88	3.17	228.2	9.09	219.7	clear, no odor
907	15.61	250	17.2	4.98	2.40	180.7	0.92	197.5	" "
910	16.90	250	17.3	4.97	1.77	185.0	0.93	194.5	" "
913	17.55	250	17.4	5.01	1.41	188.7	1.17	199.8	" "
916	18.85	250	17.4	5.12	1.60	194.7	1.84	207.9	" "
919	19.47	250	17.5	5.12	1.57	197.3	2.21	211.9	" "
922	20.95	250	17.5	5.19	1.42	200.3	2.68	210.7	" "
925	21.65	200	17.6	5.23	2.07	201.1	3.13	206.2	" "
928	22.10	200	17.7	5.23	1.52	201.2	3.01	205.2	" "
931	22.61	200	17.6	5.22	1.42	199.8	3.15	200.4	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

pump set at ~61.5 ft bto
 $H = 66.5 - 14.02 = 52.48$

5250
 1800

PURGING DATA AND FIELD PARAMETERS

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal
Drawdown Groundwater Sample Collection.
Three successive readings every 3 to 5 minutes to include:

Notes:

notes:

pump set at ~ 76.5 ft btoC

$H = 81.5 - 70.25 = 11.25$

@ 1845, WL = 74.4
ft btoC

2200
775
1200

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5746 Date: 4-19-21 Personnel: SP, AL
 Project: Anniston Spring GWR Sampling Client: Solutia Page: 1 of 3
 Well ID: 02P-11 Starting Water Level: 9.35 Time: 824
 Total Depth: 31.50 Ending Water Level: 13.25 Time: 1038
 Purging Time: 847 Evacuation Method: Portable Bladder pump w/ poly tubing
 On: 1038 Volume in Well (gallons): 4.56 gallons
 Off: 37.9 Evacuation Rate (gal/min): .0528
 Well Depth: 27.9' - 37.9' Total Volume Removed (gallons): 4.02
 Screen Depth: 27.9' - 37.9'

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
847	9.65	200	11.9	3.98	41.5	395.3	4.19	219.2	Clear, Slight odor
850	10.18	200	12.0	3.96	292	396.8	4.99	216.8	Slightly cloudy / "
853	10.76	200	12.1	3.96	426	399.0	6.15	220.3	"w/ sediment / "
856	11.27	200	12.2	3.96	416	400.3	6.86	223.0	" / "
859	11.65	200	12.1	3.96	383	401.3	7.29	224.2	" / "
902	11.85	200	12.2	3.97	328	402.3	7.84	227.3	" / "
905	12.02	200	12.2	3.96	301	403.2	8.45	230.3	" / "
908	12.30	200	12.3	3.95	265	403.8	8.91	234.0	" / "
911	12.43	200	12.2	4.00	231	403.3	8.95	237.0	" / "
914	12.52	200	12.3	4.01	197	404.4	9.20	240.8	" / "
917	12.75	200	12.4	3.99	184	404.1	9.25	244.5	" / "
920	12.83	200	12.4	3.99	168	404.4	9.27	248.1	No sediment Slight odor
923	12.86	200	12.4	3.98	154	404.2	9.34	252.0	Sediment Slight
926	12.74	200	12.4	3.99	131	404.7	9.72	255.5	Sediment Slight
929	12.80	200	12.4	4.00	114	404.7	9.58	258.5	" / "
932	13.05	200	12.4	3.99	106	405.0	10.00	262.5	Slightly cloudy Slight odor
935	13.08	200	12.5	3.99	104	404.0	9.87	265.5	" / "
938	13.09	200	12.5	3.99	88.4	403.5	10.01	268.5	" / "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

$$V = \pi (D/2)^2 \times h \times 7.48$$

$$V = 0.16388 \times h =$$

$$h =$$

ant mound inside well casing

all minutes purged

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4.19.21 Personnel: ASV STR

Project: Anniston Spring GW Sampling Client: Solutia Page: 2 of 3

Well ID: OWR-11 Starting Water Level: 9.55 Time: 824

Total Depth: 31.50 Ending Water Level: 13.25 Time: 1038

Purging Time: 847 On: 847 Evacuation Method: Portable Handline

Off: 1038 Volume in Well (gallons): See page 1

Well Depth: 37.9 Evacuation Rate (gal/min): See page 1

Screen Depth: 27.9-37.9 Total Volume Removed (gallons): See page 1

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F/°C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
941	13.15	200	12.5	3.96	83.3	402.9	9.99	271.8	Slightly Cloudy
944	13.03	200	12.6	4.01	77.3	402.9	10.25	274.0	"
947	13.02	200	12.5	4.00	68.9	402.0	10.73	277.1	"
950	13.20	200	12.5	4.00	65.61	400.8	10.49	279.7	Clear no odor
953	13.22	200	12.6	4.01	56.9	399.9	10.77	281.9	"
956	13.21	200	12.6	4.00	49.2	400.1	10.58	284.5	Clear Slight
959	13.20	200	12.6	4.01	47.1	399.9	10.65	287.0	"
1002	13.22	200	12.6	4.01	42.8	399.2	10.62	289.0	Clear Slight
1005	13.23	200	12.6	4.01	38.1	397.6	10.60	290.7	Clear No odor
1008	13.05	200	12.7	4.00	34.5	396.0	10.97	294.3	"
1011	13.26	200	12.7	4.01	36.6	395.5	10.83	295.6	"
1014	13.25	200	12.7	4.01	31.9	394.8	10.80	297.0	"
1017	13.23	200	12.7	3.99	34.0	394.6	11.19	299.0	"
1020	13.25	200	12.7	4.01	29.5	393.4	11.22	301.2	"
1023	13.28	200	12.7	4.00	28.4	392.5	11.66	303.7	"
1026	13.10	200	12.8	4.01	25.7	391.2	11.68	305.2	"
1029	13.12	200	12.8	4.01	26.0	390.9	11.66	306.3	"
1032	13.28	200	12.8	4.01	22.7	389.5	11.72	307.9	"

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection:
Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

Pump Set @ 1032.7

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4-14-21 Personnel: ABV
 Project: Amstar Spring GW Sample Client: Solution Page: 1 of 2
 Well ID: OWR-13 Starting Water Level: 17.3 Time: 15.12
 Total Depth: 39.84 Ending Water Level: 17.06 Time: 16.25
 Purging Time: 15.25 On: 16.25 Evacuation Method: Portable bladder pump w deflation
 Off: 16.25 Volume in Well (gallons): 3.424 gallons
 Well Depth: 38.7 Evacuation Rate (gal/min): 0.05 gal/min
 Screen Depth: 28.7 - 18.7 Total Volume Removed (gallons): 3 gal

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1526	15.11	200	14.3	5.52	7.42	214.5	9.59	165.4	Clear No odor
1529	16.71	200	14.6	5.53	NM	208.5	7.76	157.0	"
1531	17.30	200	15.3	5.55	NM	206.0	7.05	157.6	"
1534	16.91	175	14.6	5.58	4.69	207.8	7.90	152.9	Clear Slight
1537	16.18	175	14.4	5.57	6.43	206.3	8.05	152.6	"
1540	16.33	175	14.2	5.61	6.23	206.5	8.63	151.8	Clear No odor
1543	17.14	175	14.2	5.57	8.10	206	8.50	152.3	"
1546	17.16	175	14.2	5.58	9.95	206.4	8.47	152.1	"
1549	17.05	175	14.1	5.58	11.3	207.1	8.55	152.4	"
1552	17.25	200	14.1	5.56	17.6	206.7	8.52	153.2	"
1555	17.08	200	14.1	5.55	18.8	206.9	8.43	153.2	"
1558	17.14	200	14.1	5.55	22.7	206.8	8.42	154.3	"
1601	17.11	225	14.1	5.56	24.5	206.9	8.37	154.5	Clear Slight
1604	17.04	225	14.1	5.61	25.6	207.1	8.66	154.9	"
1607	17.13	225	14.1	5.55	28.7	207.6	8.45	155.2	Clear No odor
1610	17.18	225	14.1	5.59	30.3	207.7	8.46	155.1	"
1613	17.18	225	14.0	5.58	29.6	207.9	8.48	155.8	"
1616	17.13	225	14.1	5.57	33.2	207.9	8.44	157.0	"

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal
 Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4-19-21 Personnel: ASV SPR
 Project: Spring Aniston GW Sampling Client: Salmon Page: 1 of 1
 Well ID: T-18 Starting Water Level: 5.74 Time: 1213
 Total Depth: 25.61 Ending Water Level: 11.75 Time: 1258
 Purging Time: 1221 Evacuation Method: Portable bladder pump w/ ref
 On: 1258 Volume In Well (gallons): 2.27
 Off: 1258 Evacuation Rate (gal/min): 0.396
 Well Depth: 25.7 Total Volume Removed (gallons): 2.27 AV 2.25
 Screen Depth: 15.7-25.7

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1225	7.75	225	15.2	5.41	21.7	274.6	2.64	111.8	Tan Slight
1228	5.54	200	15.1	5.39	323	273.6	1.65	97.5	"
1231	6.08	208	15.0	5.40	298	273.1	1.27	92.0	Merky Slight
1234	7.00	200	14.9	5.41	288	277.2	0.93	86.1	"
1237	7.94	200	14.9	5.42	185	273.3	0.78	81.6	Merky No odor
1240	8.48	150	14.9	5.43	58.3	273.5	0.67	77.7	Clear No odor
1243	9.20	150	14.9	5.43	32.8	277.8	0.59	73.3	Clear Slight
1246	9.78	150	14.9	5.43	30.0	273.6	0.56	71.0	"
1249	10.20	150	14.9	5.44	27.6	273.8	0.51	68.6	Clear No odor
1252	10.63	150	14.9	5.44	24.7	273.5	0.48	67.3	"
1255	11.18	150	14.8	5.44	24.1	277.6	0.46	65.3	Clear Slight
1258	11.75	150	14.9	5.44	24.7	273.4	0.44	64.5	Clear Slight

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
Turbidity:	+/- 10% if DO is greater than 0.5 mg/L < 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

T-18 2 1L amber for PCB analytes
 2 1L amber for PCB homologs
 T-18 F 2 1L amber for PCB analytes
 2 1L amber for PCB homologs

.163188

3785.412

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5740 Date: 4-20-21 Personnel: JH
 Project: Amistad Spring GW sampling Client: SoloFlow Page: 1 of 1
 Well ID: WEL-01 Starting Water Level: 18.48 Time: 645
 Total Depth: 34.64 Ending Water Level: 18.85 Time: 744
 Purging Time: On: 702 Evacuation Method: portable bladder pump
 Off: 744 Volume In Well (gallons): ~1.94 gallons
 Well Depth: 30.6 ft btoC Evacuation Rate (gal/min): 0.055 gal/min
 Screen Depth: 20.6-30.6 ft btoC Total Volume Removed (gallons): ~2.3 gallons

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
702	18.65	150	15.5	4.71	396	66.1	7.62	260.9	slightly cloudy no odor
705	18.69	150	15.9	4.48	402	62.0	8.24	248.4	" "
708	18.71	200	16.0	4.46	341	60.9	9.92	293.2	" "
711	18.73	200	16.1	4.45	203	60.8	8.93	304.1	" "
714	18.75	200	16.1	4.48	78.1	61.5	6.71	307.4	less cloudy, no odor
717	18.76	200	16.0	4.60	32.1	70.5	7.45	308.9	clear, no odor
720	18.80	200	16.0	4.63	21.5	72.4	7.71	311.6	" "
723	18.83	200	16.0	4.65	15.7	75.2	7.31	313.6	" "
726	18.85	200	16.0	4.66	10.9	76.4	6.69	313.5	" "
729	18.86	200	16.1	4.68	10.2	78.0	7.01	316.9	" "
732	18.84	200	16.0	4.68	9.39	78.6	6.57	319.0	" "
735	18.84	200	16.0	4.67	10.8	79.5	6.73	319.9	" "
738	18.85	200	16.0	4.67	9.43	79.5	6.52	320.3	" "
741	18.86	200	16.1	4.69	8.67	80.7	6.79	321.7	" "
744	18.85	200	16.1	4.70	5.44	80.8	6.53	320.8	" "

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

pump set at ~25.6 ft btoC
 $H = 30.6 - 18.48 = 12.12$

900
 1400
 3700

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5746 Date: 4/20/21 Personnel: ASV
 Project: Ammonia Spring GW Sampling Event Client: Solution Page: 1 of 1
 Well ID: U21-04 Starting Water Level: 29.35 Time: 700
 Total Depth: 51.91 Ending Water Level: 35.87 Time: 744
 Purging Time: 708 Evacuation Method: Portable Bladder Pump
 On: _____ Volume In Well (gallons): 2.872 gallons
 Off: 744 Evacuation Rate (gal/min): 0.065 gal/min
 Well Depth: 47.3 Total Volume Removed (gallons): 2.14 gallons
 Screen Depth: 37.3 - 47.3

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F/°C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
711	29.56	175	11.4	5.07	115	76.5	18.52	201.5	Brownish light odor
714	29.88	225	12.2	4.40	102	68.4	4.38	195.4	" "
717	30.65	225	12.3	4.45	93.0	64.9	3.09	196.0	" "
720	31.14	225	12.3	4.47	74.6	64.9	3.01	195.4	Brownish No odor
723	31.50	225	12.3	4.50	50.6	64.7	2.96	198.7	Merky No odor
726	32.28	225	12.4	4.58	24.1	66.6	3.16	201.8	Merky No odor
729	32.67	225	12.4	4.03	13.9	70.2	3.91	202.4	Clear No odor
732	33.40	225	12.4	4.78	8.36	71.6	4.45	203.3	" "
735	34.20	225	12.4	5.08	5.36	74.1	7.01	199.7	Clear Slight
738	34.75	225	12.4	5.09	5.25	75.8	7.11	200.1	" "
741	35.34	225	12.5	5.08	4.10	77.4	7.01	201.1	Clear Slight
744	35.87	225	12.4	5.08	4.01	77.4	6.98	202.3	Clear Slight

Stabilization Requirements as per SOP A-10 and EPA SOP for Low-Flow/Minimal
 Drawdown Groundwater Sample Collection.
 Three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductivity:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L
	+/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or
	+/- 10% if turbidity is greater than 10 NTUs

Notes:

OCTOBER 2021 PURGING LOGS

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LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 10/13/2021 Personnel: JA. EAK, ASV
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-01B Starting Water Level: 35.79 Time: 709
 Total Depth: 63.71 Ending Water Level: 45.00 Time: 1147
 Purging Time: 1st attempt / 2nd attempt
 On: 735 / 1102 Evacuation Method: teflon lined dedicated bladder pump
 Off: 1147 Volume in Well (gallons): 4.727 gal
 Well Depth: 64 ft bto c Evacuation Rate (gal/min): 0.055 gal/min
 Screen Depth: 57.5 - 62.5 ft bgs Total Volume Removed (gallons): ~2.5 gallons

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
735		100							clear/none
YSE is not working, will continue with AquaRead									
1102	37.63	100	25.95	5.86	18.4	38	5.65	111.6	clear/none
1105	37.72	75	22.75	5.68	20.0	40	5.77	115.7	" / "
1108	37.80	100	23.00	5.58	22.5	37	5.73	117.9	" / "
1111	37.95	100	22.90	5.52	20.5	32	5.77	122.8	" / "
1114	38.21	100	22.10	5.42	45.1	27	5.61	129.4	" / "
1117	38.60	100	22.23	5.30	65.1	26	5.68	134.9	" / "
1120	39.00	100	20.85	5.28	93.0	26	6.01	140.6	" / "
1123	39.30	100	20.20	5.24	102	25	5.89	141.5	" / "
1126	39.70	100	20.28	5.19	147	26	5.64	144.1	" / "
1129	39.90	200	20.30	5.16	141	23	5.92	148.5	" / "
1132	40.56	200	20.20	5.16	127	26	6.14	148.9	" / "
1135	41.70	100	20.01	5.14	117	23	6.04	149.6	" / "
1138	41.96	100	19.80	5.11	157	24	6.40	152.5	" / "
1141	42.82	200	19.21	5.16	156	23	6.49	150.2	" / "
1144	44.55	200	18.92	5.16	150	23	6.38	148.1	" / "
1147	45.00	200	18.02	5.17	185	23	6.39	146.0	" / "

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 10/13/2021 Personnel: JA, ECK
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-15 Starting Water Level: 12.01 Time: 1704
 Total Depth: NM (pump stuck) Ending Water Level: 12.72 Time: 1802
 Purging Time: On: 1720 Evacuation Method: dedicated bladder pump
 Off: 1802 Volume in Well (gallons): 2.56 gal
 Well Depth: 27.7 ft btoC Evacuation Rate (gal/min): 0.113 gal/min
 Screen Depth: 19-24 ft bgs Total Volume Removed (gallons): ~ 4.75 gal

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1720	12.83	300	21.40	6.29	245	823	3.21	-107.8	partly cloudy/none
1723	12.81	150	21.58	6.22	170	823	3.22	-120.1	" / "
1726	13.11	600	21.40	6.11	67.3	914	3.10	-118.5	" / "
1729	12.93	600	21.43	5.85	30.0	833	3.03	-125.8	clean / "
1732	12.83	500	21.50	5.79	25.8	850	3.06	-123.2	" / "
1735	12.98	600	21.50	5.73	18.4	833	2.99	-124.6	" / "
1738	12.70	250	21.60	5.59	17.1	822	3.01	-130.3	" / "
1741	12.72	250	21.60	5.58	14.5	825	3.00	-133.6	" / "
1744	12.71	250	21.70	5.53	15.7	820	2.90	-136.4	" / "
1747	12.72	250	21.70	5.56	11.0	809	3.00	-140.0	" / "
1750	12.72	250	21.70	5.56	10.9	813	3.04	-142.5	" / "
1753	12.73	250	21.70	5.57	10.5	805	3.01	-145.7	" / "
1756	12.72	250	21.70	5.58	6.66	803	2.98	-147.9	" / "
1759	12.71	250	21.65	5.56	6.98	804	2.98	-147.7	" / "
1802	12.72	250	21.60	5.60	4.68	803	2.95	-150.3	" / "
					7.7				

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

PURGING DATA AND FIELD PARAMETERS

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Notes:

$$(112 - 95.01) \cdot 103 = 2.77$$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 10-13-21 Personnel: EGK, JA, AJV

Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 2

Well ID: MW-11A Starting Water Level: 93.60 Time: 1258

Total Depth: 112.35 Ending Water Level: 93.26 Time: 1452

Purging Time: On: 1329 Off: 1452 Evacuation Method: tellon lined dedicated bladder pump

Well Depth: 115 ft Volume in Well (gallons): 3.49 gal

Screen Depth: 109 - 114 ft Evacuation Rate (gal/min): 0.048 gallons/min

Total Volume Removed (gallons): 4 gallons

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1329	93.45	100	20.25	7.08	237	0472	7.90	0035.2	slightly cloudy / no odor
1332	93.61	200	18.48	7.37	645	0487	8.04	0018.5	Cloudy / no odor
1335	93.35	200	18.90	7.52	>1000	0519	6.41	31.6	cloudy "
1343	93.41	200	18.18	7.14	>1000	017	83.3	78.3	" "
1346	93.41	200	17.65	7.76	>1000	514	7.25	91.8	" "
1349	93.41	200	17.50	7.28	>1000	494	6.45	94.7	Slight odor / cloudy
1352	93.38	200	17.50	7.37	>1000	469	7.44	93.3	" "
1355	93.40	200	17.50	7.22	>1000	536	7.10	-92.6	" "
1358	93.31	200	17.40	7.13	609	535	7.12	-87.0	" "
1401	93.37	200	17.50	7.62	396	456	7.07	-80.0	slightly less / slight odor
1404	93.38	200	17.60	7.94	384	472	6.62	-79.4	" / "
1407	93.39	200	17.90	7.99	229	551	7.53	-70.9	" / "
1410	93.39	200	18.10	7.65	191	552	7.21	-66.2	" / "
1413	93.39	200	17.90	7.55	150	557	6.80	-63.0	" / "
1416	93.37	180	18.00	7.48	135	558	6.29	-62.9	" / "
1419	93.38	200	18.00	7.42	119	558	6.90	-60.7	less cloudy / more
1422	93.37	200	18.00	7.45	99.9	550	6.51	-57.9	
1425	93.38	200	17.70	7.35	83.4	493	6.66	-62.1	

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	± 3 °C
pH:	± 0.1 Standard Units
Specific Conductance:	± 3%
ORP:	± 10 mV
Dissolved Oxygen:	< 0.5 mg/L or ± 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or ± 10% if turbidity is greater than 10 NTUs

Notes:

Well tubes full of mud, had to clear.

$$(115 - 93.6) \times 0.163 = 3.49$$



Page: 2 of 2

Time: _____

Time: _____

Evacuation Method:

Volume in Well (gallons): _____

Evacuation Rate (gal/min): _____

Total Volume Removed (gallons): _____

[illegible]

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: <u>5739</u>	Date: <u>10/12/2021</u>	Personnel: <u>JA, EGK</u>
Project: <u>Solutia Anniston RCRA GW Sampling</u>	Client: <u>Solutia</u>	Page: <u>1</u> of <u>1</u>
Well ID: <u>MW-16</u>	Starting Water Level: <u>26.65</u>	Time: <u>1600</u>
Total Depth: <u>70.9</u>	Ending Water Level: <u>41.37</u>	Time: <u>1630</u>
Purging Time: <u>1605</u>	Evacuation Method: <u>dedicated teflon lined bladder pump</u>	
On: <u>1630</u>	Volume in Well (gallons): <u>7.25 gallons</u>	
Off: <u>1630</u>	Evacuation Rate (gal/min): <u>0.076</u>	
Well Depth: <u>71.1 ft blos</u>		
Screen Depth: <u>58-60 ft bgs</u>	Total Volume Removed (gallons): <u>~ 2.5 gallons</u>	

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F / °C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1605	27.72	600	22.7	5.09	3.23	77.2	7.91	147.1	clear yellow / none
1608	29.13	500	20.2	4.15	4.96	62.3	2.17	169.5	" / "
1611	29.73	150	20.6	4.10	6.31	59.9	1.69	185.9	" / "
1614	32.33	225	19.9	4.13	10.5	54.5	1.21	190.3	" / "
1617	33.35	225	20.3	4.15	11.7	52.9	1.01	190.4	greenish yellow / none
1620	34.26	250	20.4	4.17	9.33	51.7	0.82	191.0	" / "
1623	35.41	300	20.4	4.17	8.23	51.2	0.71	191.7	light green / slight odor
1626	36.80	300	20.4	4.20	8.42	50.8	0.64	190.9	" / "
1629	39.09	300	20.4	4.23	9.35	50.9	1.06	190.1	" / "
1632	39.51	300	20.3	4.24	8.96	51.5	1.02	189.7	" / "
1635	40.45	300	20.3	4.21	8.04	52.9	1.07	190.2	" / "
1638	41.37	300	20.3	4.19	7.64	51.9	1.10	191.3	less dark / "

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 10-12-21 Personnel: EGK, JA, AJV
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-20A Starting Water Level: 8.59 Time: 1337
 Total Depth: 25.61 Ending Water Level: 14.81 Time: 1518
 Purging Time: On: 1344 Off: 1424 Evacuation Method: dedicated teflon lined bladder pump
 Well Depth: 25.3 ft Volume in Well (gallons): 2.72 gal
 Screen Depth: 19-24 ft Evacuation Rate (gal/min): 0.0625 gal/min
 Total Volume Removed (gallons): 2.5 gal

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (°F/°C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1344	10.30	450	22.2	6.87	33.9	1332	2.43	-71.2	clear/no odor
1347	13.03	450	22.2	6.76	17.0	1294	1.23	-51.2	" / "
1350	12.81	175	22.6	6.72	17.0	1285	1.01	-49.9	" / "
1353	12.94	175	23.0	6.71	15.8	1281	0.87	-50.7	" / "
1356	13.15	175	23.2	6.70	17.6	1294	0.88	-54.4	" / "
1359	13.29	200	23.1	6.71	15.1	1299	0.80	-63.3	" / "
1402	13.56	200	23.0	6.72	14.5	1301	0.68	-65.8	" / "
1405	13.64	200	22.9	6.71	12.5	1303	0.64	-68.3	" / "
1408	13.98	200	22.9	6.72	11.6	1305	0.58	-71.6	" / "
1411	14.10	200	22.8	6.71	12.1	1308	0.54	-74.0	" / "
1415	14.30	200	22.7	6.71	10.3	1309	0.53	-75.8	" / "
1418	14.51	200	22.7	6.71	9.36	1310	0.50	-76.4	" / "
1421	14.95	200	22.7	6.71	8.50	1311	0.48	-76.8	" / "
1424	14.81	200	22.8	6.72	7.69	1311	0.48	-77.3	" / "

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

50 > 20.0
10.0
emp cPM2 } Controller settings that worked best
pressure below 50 psi

$$V = H \cdot 0.163$$

$$V = (25.3 - 8.59) \cdot 0.163 = 2.72$$

$$\frac{\text{gal}}{\text{min}} \frac{2.5}{40} \times \frac{x}{1} = 0.0625$$

LOW FLOW MONITORING WELL PURGING LOG

GSI Job No.: 5739 Date: 10/12/2021 Personnel: JA, EGK, ASV
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-13A Starting Water Level: 92.01 Time: 1135
 Total Depth: 115.29 Ending Water Level: 92.58 Time: 1207
 Purging Time: On: 1143 Off: 1207 Evacuation Method: dedicated tetlon lined bladder pump
 Well Depth: 112.7 Volume in Well (gallons): 3.37
 Screen Depth: 105-110 Evacuation Rate (gal/min): 0.08 gal/min
 Total Volume Removed (gallons): 2 gallons

PURGING DATA AND FIELD PARAMETERS

Time	Depth to Water (ft TOC)	Pumping Rate (mL/min)	Temperature (*F / *C)	pH	Turbidity (NTU)	Spec. Cond. (umhos/cm)	DO (mg/L)	ORP (mV)	Description (Color/Odor)
1143	92.66	450	17.3	6.97	0.51	341.6	17.61	152.7	clear / none
1146	92.66	450	16.8	6.83	1.20	342.7	11.44	153.2	clear / none
1149	92.73	400	16.6	6.87	1.07	358.4	7.06	153.5	clear / none
1152	92.82	400	16.6	6.89	0.79	366.7	5.41	152.4	" / "
1155	92.43	150	16.9	6.90	0.50	367.0	4.59	151.5	" / "
1158	92.33	150	17.2	6.91	0.86	366.7	4.04	150.8	" / "
1201	92.30	150	17.6	6.92	0.25	366.4	4.26	150.1	" / "
1204	92.45	300	17.1	6.93	0.24	369.7	4.48	149.4	" / "
1207	92.58	300	16.8	6.94	0.57	369.5	4.46	149.0	" / "

Stabilization requirements, per SOP A-10, are achieved when water is free of visible sediment and three successive readings every 3 to 5 minutes to include:

Temperature:	+/- 3 °C
pH:	+/- 0.1 Standard Units
Specific Conductance:	+/- 3%
ORP:	+/- 10 mV
Dissolved Oxygen:	< 0.5 mg/L or +/- 10% if DO is greater than 0.5 mg/L
Turbidity:	< 10 NTU or +/- 10% if turbidity is greater than 10 NTUs

Notes:

CPM 3
 -120 ft pressure
 10 sec discharge (11.5 discharge when sampling due to pump slowing)
 $\frac{2 \text{ gal}}{24 \text{ mins}} = \frac{x}{1 \text{ min}}$

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX C: SAMPLING LOGS

APRIL 2021 SAMPLING LOGS

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GROUNDWATER SAMPLING FORM

GSI Job No.: 8739 Date: 4-13-21 Personnel: SM
 Project: Ammonia bw sampling - spray Client: Solutia Page: 1 of 1
 Well ID: MW-73A Begin Time: 1643 End Time: ~1700
 Weather: Sunny, ~85°F Site Conditions: grassy, shaded
 COC ID #1: MW-73A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 11.8°C Color: clear
 (°F/°C) pH: 7.35 Appearance: clear, no odor
 (Standard Units) Turbidity: 0.54 DO: 6.67
 (NTU) Specific Conductivity: 349.6 ORP: 171.6
 (µmhos/cm) Sampling Method/Material: Dedicated bladder pump w/ tetrafluor-lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (<u>18082 PCBs</u>)	
	1 L glass vial with no preservative for PCB analysis (filtered)	
	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good
See field notes for battery deaths & replacement times.

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfatepp YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739/5740 Date: 4-14-21 Personnel: STP
 Project: Spring Ammeter GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-01B Begin Time: 9:55 End Time: 11:51
 Weather: Sunny, light wind, partly cloudy towards end Site Conditions: Dry, grassy & sloped
 COC ID #1: MW-01B = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 11.6 °C Color: slightly cloudy
 (°F / °C) 4.60 Appearance: 11, no odor
 pH: 4.60 DO: 9.81
 (Standard Units) Turbidity: 1.01 (mg/L)
 Specific Conductivity: 28.6 ORP: 253.0
 (µmhos/cm) (mV)
 Sampling Method/ Material: Dedicated bladder pump w/ teflon tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
3	40 mL glass vial with HCl for VOA analysis (8260)	
2	1 L glass vial with no preservative for SVOC analysis (8270)	
2	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis (8082 PCBs)	
	1 L glass vial with no preservative for PCB analysis (filtered)	
1	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-14-21 Personnel: STP
 Project: Anniston Spring Groundwater Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-14 Begin Time: 1610 End Time: 1707
 Weather: Cloudy / mostly 70° Site Conditions: grassy, wet
 COC ID #1: MW-14 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 12.0 Color: cloudy tan
 (°F / °C) 6.13 Appearance: cloudy, no odor
 pH: 5.57 DO: 0.70
 (Standard Units) Turbidity: 288.9 (mg/L)
 (NTU) Specific Conductivity: _____ ORP: 200.3
 (µmhos/cm) (mV)
 Sampling Method/ Material: Dedicated Bladder pump with Teflon-lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-14-21 Personnel: STH
 Project: Amish Bw sampling Client: Solutia Page: 1 of 1
 Well ID: OW-064 Begin Time: 1838 End Time: 1925
 Weather: Cloudy ~70° Site Conditions: good
 COC ID #1: OW-064 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 11.7 Color: clear
 (°F/°C) _____
 pH: 4.62 Appearance: clear, no odor
 (Standard Units) _____
 Turbidity: 2.34 DO: 8.80
 (NTU) _____
 Specific Conductivity: 43.6 ORP: 242.6
 (µmhos/cm) _____
 Sampling Method/ Material: Dedicated bladder pump w/ teflon-lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (<u>8082 PCBs</u>)	
	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-15-21 Personnel: STP, JA
 Project: Spring Ammonia G.W. Sampling Client: Solaka Page: 1 of 1
 Well ID: OW-21A Begin Time: 1019 End Time: 1129
 Weather: windy, partly cloudy Site Conditions: grassy, mostly cloudy
 COC ID #1: OW-21A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: OW-21A F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 13.1 Color: clear
 (°F/°C) 4.31 Appearance: clear, no odor
 pH: _____ DO: 0.83
 (Standard Units) Turbidity: 11.2 (mg/L)
 (NTU) Specific Conductivity: 131.0 ORP: 179.6
 (µmhos/cm) Sampling Method/Material: delicated bladder pump w/ teflon-lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4/15/21 Personnel: WBS, ADV
 Project: Anniston RCRA CW Client: Solutia Page: 1 of 1
 Well ID: OW-16A Begin Time: 10:17 End Time: 11:10
 Weather: Partly cloudy to sunny, 70°F Site Conditions: grassy, dry
 COC ID #1: OW-16A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: OW-16A F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.7 °C Color: clear
 (°F / °C) 4.85
 pH: 8.97 Appearance: no odor
 (Standard Units) 8.97
 Turbidity: 163.6 DO: 0.45
 (NTU) 163.6 (mg/L)
 Specific Conductivity: 265.6 ORP: 265.6
 (µmhos/cm) (mV)
 Sampling Method/ Material: dedicated bladder pump; Teflon-lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well:

good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-15-21 Personnel: ASU WBS
 Project: Anniston GW Sample Client: Solutia Page: 1 of 1
 Well ID: OW-08A Begin Time: 12:16 End Time: 12:55
 Weather: Sunny, Warm Site Conditions: Dry
 COC ID #1: OW-08A = Original Sample COC ID #2: 5 = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: 5 = MS/MSD
 COC ID #5: OW-08AP = Original Sample (Filtered) COC ID #6: 5 = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.8 Color: Clear
 (°F / °C)
 pH: 6.09 Appearance: No odor
 (Standard Units)
 Turbidity: 5.58 DO: 3.93
 (NTU) (mg/L)
 Specific Conductivity: 243.8 ORP: 226.2
 (µmhos/cm) (mV)
 Sampling Method/Material: Dedicated bladder pump & teflon lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfotepp YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

Yes AV

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-18-21 Personnel: ASV WBS
 Project: Amstara RURA WCN Client: Santitas Page: 1 of 1
 Well ID: MW-16 Begin Time: 1528 End Time: 17:12
 Weather: Sunny Site Conditions: Ground Dry
 COC ID #1: MW-16 = Original Sample COC ID #2: = Duplicate
 COC ID #3: = Field Blank COC ID #4: = MS/MSD
 COC ID #5: MW-16 F = Original Sample (Filtered) COC ID #6: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 20.0 C Color: Clear yellow
 (°F / °C) 4.54 Appearance: No odor
 pH: 16.4 DO: 0.71
 (Standard Units) Turbidity: 49.2 (mg/L)
 (NTU) Specific Conductivity: ORP: 256.3
 (µmhos/cm) Sampling Method/ Material: Dedicated Bladder Pump; teflon-lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>AV</u> <u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>7</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

Yes AV

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-15-2021 Personnel: JA. STP
Project: Anniston Spring G/W Sampling Client: Solutia Page: 1 of 1
Well ID: OWP-35 Begin Time: 1300 End Time: 1325
Weather: Sunny, windy Site Conditions: grassy / gravel
COC ID #1: OWP-35 = Original Sample COC ID #2: _____ = Duplicate
COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 14.0 Color: clear
(°F/°C) 4.90 Appearance: clear
pH: _____ DO: 1.48
(Standard Units) Turbidity: 16.1 (mg/L)
(NTU) Specific Conductivity: 134.8 ORP: 207.4
(µmhos/cm) (mV)
Sampling Method/Material: portable bladder pump w/ teflon lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
—	1 L glass vial with no preservative for SVOC analysis (8270)	
—	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
—	1 L glass vial with no preservative for PCB analysis (filtered)	
—	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
—	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
1,2,4-Trichlorobenzene: YES / NO
Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
1,4-Dichlorobenzene YES / NO
Indeno(1,2,3-cd)pyrene YES / NO
4-Nitrophenol YES / NO
Pentachlorophenol YES / NO
2,4,6-Trichlorophenol YES / NO
o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate /
Sulfotepp YES / NO
Parathion YES / NO

METALS (6010)

Beryllium YES / NO
Cobalt YES / NO
Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-13-21 Personnel: JA AJL
 Project: Anniston Glw Sampling Client: Solution Page: 1 of 1
 Well ID: MLW-12A Begin Time: 1620 End Time: 1820
 Weather: cloudy hot Site Conditions: grassy, shades
 COC ID #1: MLW-12A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.6 Color: clear
 (°F/°C) pH: 7.49 Appearance: clear
 (Standard Units) Turbidity: 1.40 DO: 6.55
 (NTU) Specific Conductivity: 258.8 ORP: 192.5
 (µmhos/cm) Sampling Method/ Material: dedicated bladder pump with teflon lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
2	1 L glass vial with no preservative for SVOC analysis (8270)	
2	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
—	1 L glass vial with no preservative for PCB analysis (filtered)	
—	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
—	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfotep: YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5737 Date: 4-14-21 Personnel: JA, AJV
 Project: Anniston Spring GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-11A Begin Time: 1034 End Time: 1052
 Weather: Sunny breezy Site Conditions: gassy
 COC ID #1: MW-11A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.6 °C Color: clear
 pH: 7.58 Appearance: clear
 (Standard Units)
 Turbidity: 30.1 NTU DO: 5.55 mg/L
 Specific Conductivity: 248.2 µmhos/cm ORP: 276.0 mV
 Sampling Method/ Material: dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>2</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>2</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>2</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-14-21 Personnel: JA AJV
 Project: Anniston GW Sampling Spring Client: SOLITA Page: 1 of 1
 Well ID: MW-09A Begin Time: 1327 End Time: 1410
 Weather: cloudy windy Site Conditions: grassy
 COC ID #1: MW-09A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 19.20 Color: clear
 (°F/°C) 4.85 pH: 4.85 Appearance: clear
 (Standard Units) 4.30 Turbidity: 4.30 DO: 4.92
 (NTU) 115.8 Specific Conductivity: 115.8 (mg/L) 351.5
 (µmhos/cm) ORP: 351.5
 (mV)
 Sampling Method/ Material: dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>1</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-14-21 Personnel: JA h JV
 Project: Amherst Spring GW Sample Client: Solutia Page: 1 of 1
 Well ID: T-10 Begin Time: 1535 End Time: 1629
 Weather: cloudy, breezy Site Conditions: grassy
 COC ID #1: T-10 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS
 Temperature: 22.80 17.6 Color: clear
 (°F/°C) pH: 7.30 Appearance: clear
 (Standard Units) Turbidity: 37.8 DO: 4.65
 (NTU) Specific Conductivity: 206.2 ORP: 235.3
 (µmhos/cm) Sampling Method/Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>—</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>—</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>—</u>	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
<u>—</u>	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotepp YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-14-21 Personnel: JA, AJV
 Project: Anniston Spring GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-08 Begin Time: 1746 End Time: 1823
 Weather: cloudy, breezy Site Conditions: grassy
 COC ID #1: MW-08 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature (°F): 17.2 Color: clear
 pH: 6.16 Appearance: clear
 Turbidity (NTU): 0.37 DO: 2.17
 Specific Conductivity (µmhos/cm): 385.5 ORP: 356.7
 Sampling Method/Material: dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>1</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4/16/21 Personnel: AJV STR
 Project: Anniston Spring GW Sample Client: Solutia Page: 1 of 1
 Well ID: MW-20A Begin Time: 1000 End Time: 1530
 Weather: Sunny light wind Site Conditions: Gravel
 COC ID #1: MW-20A = Original Sample COC ID #2: Field Duplicate = Duplicate
 COC ID #3: = Field Blank COC ID #4: MW-20A mst MW-20A = MS/MSD
 COC ID #5: MW-20A-Filtered = Original Sample (Filtered) COC ID #6: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 12.9 Color: Clear
 (°F/°C) 6.85
 pH: 57.9 Appearance: No odor
 (Standard Units) 1.01
 Turbidity: 1301 DO: -10.8
 (NTU) ORP: (mV)
 Specific Conductivity: 1301
 (µmhos/cm)
 Sampling Method/ Material: Delivered bladder pump teflon lined tubing

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>12</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>10</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>8</u>	1 L glass vial with no preservative for Organophos, Pest. analysis (8141)	
<u>8</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>7</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>0</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-16-2021 Personnel: JA
 Project: Anniston Spring GW Sampling Client: Southern Page: 1 of 1
 Well ID: MW-15 Begin Time: 922 End Time: 1040
 Weather: overcast, windy Site Conditions: gravel
 COC ID #1: MW-15 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: MW-15F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 17.8 Color: clear
 (°F) 5.92 pH: 5.92 Appearance: clear
 (Standard Units) 2.48 Turbidity: 2.48 DO: 3.80
 (NTU) 294.9 Specific Conductivity: 294.9 (mg/L) 227.4
 (µmhos/cm) ORP: 227.4 (mV)
 Sampling Method/ Material: dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos, Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES NO
 Trichloroethene: YES NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES NO
 Cobalt YES / NO
 Manganese YES NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-16-21 Personnel: JA
 Project: Anniston GW Sampling Spd Client: Solutia Page: 1 of 1
 Well ID: OW-15 Begin Time: 1124 End Time: 1450
 Weather: overcast windy Site Conditions: grassy
 COC ID #1: OW-15 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: OW-15 F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS
 Temperature: JA 16.9 17.8 Color: clear
 (°F/°C) JA 5.17 5.19 Appearance: clear
 pH: JA 7.33 0.58 DO: JA 5.07 4.77
 (Standard Units) Turbidity: JA 108.5 107.8 (mg/L) JA 100.6 195.0
 (NTU) ORP: JA 100.6 195.0
 Specific Conductivity: _____ (µmhos/cm)
 Sampling Method/ Material: dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotepp YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-17-01 Personnel: ASU STR
 Project: Spring GW Sampling Event Client: Solution Page: 1 of 1
 Well ID: OW-10 Begin Time: 9:17 End Time: 1306 1306
 Weather: Overcast Site Conditions: wood
 COC ID #1: OW-10 = Original Sample COC ID #2: DW Field Duplicate 4 = Duplicate
 COC ID #3: = Field Blank COC ID #4: OW-10 MS & MSO = MS/MSO
 COC ID #5: DW-10 F = Original Sample (Filtered) COC ID #6: Field Duplicate 4F = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 12.6 Color: Clear
 (°F / °C)
 pH: 6.16 Appearance: No odor
 (Standard Units)
 Turbidity: 4.88 DO: 6.06
 (NTU) (mg/L)
 Specific Conductivity: 967 ORP: 165.1
 (µmhos/cm) (mV)
 Sampling Method/ Material: Portable bladder Pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>12</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>0</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>0</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>8</u>	1 L glass vial with no preservative for PCB analysis	
<u>NOISE 4</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>48</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>2</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Expandable is broken, otherwise, good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-17-21 Personnel: JA
 Project: Anniston Spring GW Sampling Client: Solutia Page: 1 of 1
 Well ID: T-20 Begin Time: 917 End Time: 1000
 Weather: overcast Site Conditions: grassy
 COC ID #1: T-20 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: T-20F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 18.0 Color: clear
 (°F/°C) 3.77 Appearance: clear
 pH: 1.09 DO: 4.52
 (Standard Units) Turbidity: 274.1 (mg/L)
 (NTU) ORP: 405.2
 Specific Conductivity: 274.1 (mV)
 Sampling Method/ Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
—	1 L glass vial with no preservative for SVOC analysis (8270)	
—	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
2	1 L glass vial with no preservative for PCB analysis (filtered)	
1	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
1	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 4-17-21 Personnel: JA
 Project: Amniston Spring GWS Sampling Client: Solution Page: 1 of 1
 Well ID: Sunny Begin Time: 1201 End Time: 1316
 Weather: OW-22 Site Conditions: grassy
 COC ID #1: OW-22 = Original Sample COC ID #2: --- = Duplicate
 COC ID #3: --- = Field Blank COC ID #4: --- = MS/MSD
 COC ID #5: OW-22F = Original Sample (Filtered) COC ID #6: --- = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 18.9 Color: clear
 (°C) 4.34 Appearance: clear
 pH: 4.34
 (Standard Units)
 Turbidity: 26.6 DO: 2.27
 (NTU) (mg/L)
 Specific Conductivity: 80.6 ORP: 353.6
 (µmhos/cm) (mV)
 Sampling Method/ Material: Dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfatepp YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-17-21 Personnel: JA
 Project: Ammonia Spring G/W Client: Solution Page: 1 of 1
 Well ID: T-04 Begin Time: 1534 End Time: 1620
 Weather: Sunny Site Conditions: grassy
 COC ID #1: T-04 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: T-04F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 18.0 Color: clear
 (°F) 6.15 Appearance: clear
 pH: 5.83 DO: 3.38
 (Standard Units) Turbidity: 223.1 (mg/L)
 (NTU) Specific Conductivity: 223.1 ORP: 247.4
 (µmhos/cm) Sampling Method/Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
—	1 L glass vial with no preservative for SVOC analysis (8270)	
—	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
2	1 L glass vial with no preservative for PCB analysis (filtered)	
1	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
1	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-17-21 Personnel: SPR, DW
 Project: Amishon Client: Soluta Page: 1 of 1
 Well ID: T-09 Begin Time: 1527 End Time: 1710
 Weather: Partly cloudy, Sunny Site Conditions: _____
 COC ID #1: T-09 = Original Sample COC ID #2: Field Duplicate 3 = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: T-09 F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 13.3 Color: Clean
 (°F/°C) _____
 pH: 5.76 Appearance: clean, no odor
 (Standard Units) _____
 Turbidity: 14.0 DO: 3.59
 (NTU) _____ (mg/L)
 Specific Conductivity: 255.3 ORP: 154.8
 (µmhos/cm) _____ (mV)
 Sampling Method/ Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
4	1 L glass vial with no preservative for SVOC analysis (8270)	
4	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
4	1 L glass vial with no preservative for PCB analysis	
2	1 L glass vial with no preservative for PCB analysis (filtered)	
—	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
—	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Hinge is very old. Hinge makes closing well cap completely, difficult.

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-19-21 Personnel: JA
 Project: Anniston Spring GW Sampling Client: Solutia Page: 1 of 1
 Well ID: OWP-15P Begin Time: 931 End Time: 955
 Weather: sunny, windy Site Conditions: grassy
 COC ID #1: OWP-15D = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: OWP-15DF = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 17.6 Color: clear
 (°F) 5.22 Appearance: clear
 pH: 1.42 DO: 3.15
 (Standard Units) Turbidity: 199.8 (mg/L)
 (NTU) Specific Conductivity: 200.4 (mV)
 (µmhos/cm) ORP: 200.4
 Sampling Method/ Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>—</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>—</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>—</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>—</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>—</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 7-19-21 Personnel: JH
 Project: Anniston Spring GWS sample Client: Solutia Page: 1 of 1
 Well ID: T-6 Begin Time: 1220 End Time: 1300
 Weather: sunny windy Site Conditions: grassy
 COC ID #1: T-66 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: T-66 F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 19.6 Color: clear
 (°F/°C) 7.07 Appearance: clear
 pH: 7.07 DO: 0.66
 (Standard Units) Turbidity: 4.58 (mg/L)
 (NTU) Specific Conductivity: 920 ORP: 170.8
 (µmhos/cm) Sampling Method/Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>—</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>—</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>—</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>—</u>	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
<u>—</u>	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740	Date: 4-19-21	Personnel: JA
Project: Amistad Spring GW Sampling	Client: Solstice	Page: 1 of 1
Well ID: OWR-14D	Begin Time: 1536	End Time: 1845
Weather: sunny, windy	Site Conditions: grassy	
COC ID #1: OWR-14D = Original Sample	COC ID #2: Field duplicate 2 = Duplicate	
COC ID #3: = Field Blank	COC ID #4: = MS/MSD	
COC ID #5: OWR-14DF = Original Sample (Filtered)	COC ID #6: Field duplicate 3F = Duplicate (Filtered)	

SAMPLING DATA / FIELD PARAMETERS

Temperature (°F/°C): 20.4	Color: slightly cloudy brown
pH: 7.03	Appearance: 1
(Standard Units)	
Turbidity: 57.9	DO: 2.09
(NTU)	(mg/L)
Specific Conductivity: 634	ORP: 167.7
(µmhos/cm)	(mV)
Sampling Method/Material: portable bladder pump	

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
—	1 L glass vial with no preservative for SVOC analysis (8270)	
—	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
8	1 L glass vial with no preservative for PCB analysis	
3	1 L glass vial with no preservative for PCB analysis (filtered)	
2	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
2	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES ☒ NO ☐
1,2,4-Trichlorobenzene: YES ☒ NO ☐
Trichloroethene: YES ☒ NO ☐

SVOCs (8270)

1,2-Dichlorobenzene YES ☒ NO ☐
1,4-Dichlorobenzene YES ☒ NO ☐
Indeno(1,2,3-cd)pyrene YES ☒ NO ☐
4-Nitrophenol YES ☒ NO ☐
Pentachlorophenol YES ☒ NO ☐
2,4,6-Trichlorophenol YES ☒ NO ☐
o,o,o-Triethylphosphorothioate YES ☒ NO ☐

PCBs (8082)

Aroclors YES ☒ NO ☐
Homologs YES ☒ NO ☐

PESTICIDES (8141)

Tetraethyldithiopyrophosphate / Sulfotep YES ☒ NO ☐
Parathion YES ☒ NO ☐

METALS (8010)

Beryllium YES ☒ NO ☐
Cobalt YES ☒ NO ☐
Manganese YES ☒ NO ☐

MERCURY (7470)

Mercury YES ☒ NO ☐

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-19-21 Personnel: SAR, DV
 Project: Anniston Spring GW Client: Solution Page: 1 of 1
 Well ID: OWP-11 Begin Time: 1030 End Time: 1120
 Weather: sunny Site Conditions: grassy
 COC ID #1: OWP-11 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: OWP-11 F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 12.7 Color: clear
 (°F/°C) 4.01 Appearance: slight odor
 pH: 4.01 DO: 11.66
 (Standard Units) -4 JA 21.7 (mg/L)
 Turbidity: 333.2 ORP: 311.2
 (NTU) (mV)
 Specific Conductivity: _____
 (µmhos/cm)
 Sampling Method/Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
	1 L glass vial with no preservative for SVOC analysis (8270)	
	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
	1 L glass vial with no preservative for PCB analysis	
	1 L glass vial with no preservative for PCB analysis (filtered)	
	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: ant mand inside well casing

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4/19/21 Personnel: ADU
Project: Anastasia Spring GW Sampling Client: Salutria Page: 1 of 1
Well ID: OWR-13 Begin Time: 16 25 End Time: 17 28
Weather: Sunny Slight Breeze Site Conditions: Grassy, well kept
COC ID #1: OWR-13 = Original Sample COC ID #2: _____ = Duplicate
COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
COC ID #5: OWR-13F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 17.06 Color: Clear
(°F/°C)
pH: 5.59 Appearance: No odor
(Standard Units)
Turbidity: 30.1 DO: 8.89
(NTU) (mg/L)
Specific Conductivity: 209.2 ORP: 157.8
(µmhos/cm) (mV)
Sampling Method/Material: portable bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
	1 L glass vial with no preservative for SVOC analysis (8270)	
	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>4</u>	1 L glass vial with no preservative for PCB analysis	
<u>4</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
1,2,4-Trichlorobenzene: YES / NO
Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
1,4-Dichlorobenzene YES / NO
Indeno(1,2,3-cd)pyrene YES / NO
4-Nitrophenol YES / NO
Pentachlorophenol YES / NO
2,4,6-Trichlorophenol YES / NO
o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
Sulfotepp YES / NO
Parathion YES / NO

METALS (6010)

Beryllium YES / NO
Cobalt YES / NO
Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-19-21 Personnel: ASU
 Project: Amistar GW Sample Client: Southern Page: 1 of 1
 Well ID: T-18 Begin Time: 12:58 End Time: 2:18 [14.16]
 Weather: Sunny Site Conditions: _____
 COC ID #1: T-18 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: T-18 F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 14.4 Color: Clear
 (°F/°C) _____
 pH: 5.44 Appearance: Slight odor
 (Standard Units) _____
 Turbidity: 24.7 DO: .44
 (NTU) _____
 Specific Conductivity: 273.4 ORP: 64.5
 (µmhos/cm) _____
 Sampling Method/Material: Portable bladder pump w/ Teflon

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
	1 L glass vial with no preservative for SVOC analysis (8270)	
	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>4</u>	1 L glass vial with no preservative for PCB analysis	<u>(2 homologs)</u>
<u>4</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: good - on slope

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5740 Date: 4-20-21 Personnel: JH
 Project: Amelia Spring GW Sampling Client: Seitler Page: 1 of 1
 Well ID: WEL-01 Begin Time: 744 End Time: 812
 Weather: overcast, breezy Site Conditions: grassy
 COC ID #1: WEL-01 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: WEL-01F = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.1 Color: clear
 (°F / °C) 4.70
 pH: 5.44 Appearance: clear
 (Standard Units) 80.8
 Turbidity: 80.8 DO: 6.53
 (NTU) 320.8
 Specific Conductivity: portable bladder pump ORP: 320.8
 (µmhos/cm) (mV)

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
—	1 L glass vial with no preservative for SVOC analysis (8270)	
—	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
2	1 L glass vial with no preservative for PCB analysis (filtered)	
1	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
1	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,o-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulftepp YES / NO
 Parathion YES / NO

METALS (8010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: <u>5740</u>	Date: <u>4/20/21</u>	Personnel: <u>ASU</u>
Project: <u>Amelia Spring GW Sample</u>	Client: <u>Solution</u>	Page: <u>1</u> of <u>1</u>
Well ID: <u>W21-04</u>	Begin Time: <u>144</u>	End Time: <u>821</u>
Weather: <u>Sunny</u>	Site Conditions: <u>Gravel</u>	
COC ID #1: <u>W21-04</u> = Original Sample	COC ID #2: _____ = Duplicate	
COC ID #3: _____ = Field Blank	COC ID #4: _____ = MS/MSD	
COC ID #5: <u>W21-04F</u> = Original Sample (Filtered)	COC ID #6: _____ = Duplicate (Filtered)	

SAMPLING DATA / FIELD PARAMETERS

Temperature: <u>12.4</u> (°F/°C) pH: <u>5.08</u> (Standard Units) Turbidity: <u>4.01</u> (NTU) Specific Conductivity: <u>77.4</u> (µmhos/cm) Sampling Method/Material: <u>Portable Bladder Pump</u>	Color: <u>Clear</u> Appearance: <u>Slight</u> DO: <u>6.98</u> (mg/L) ORP: <u>202.3</u> (mV)
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CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8260)	
	1 L glass vial with no preservative for SVOC analysis (8270)	
	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>2</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: Good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,p-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors: YES / NO
 Homologs: YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep: YES / NO
 Parathion: YES / NO

METALS (6010)

Beryllium: YES / NO
 Cobalt: YES / NO
 Manganese: YES / NO

MERCURY (7470)

Mercury: YES / NO

OCTOBER 2021 SAMPLING LOGS

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GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 10/13/2021 Personnel: JA, EGK, AJV
Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
Well ID: MW-01B Begin Time: 1147 End Time: 1229
Weather: Sunny cool Site Conditions: good - sloped grassy
COC ID #1: MW-01B = Original Sample COC ID #2: = Duplicate
COC ID #3: = Field Blank COC ID #4: = MS/MSD
COC ID #5: = Original Sample (Filtered) COC ID #6: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 18.02 Color: clear
(°F / °C) 5.17
pH: 145 Appearance: clear
(Standard Units)
Turbidity: 23 DO: 6.39
(NTU) 146.0
Conductivity: 23 ORP: (mV)
(µmhos/cm)
Sampling Method/
Material: dedicated teflon lined bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
3	40 mL glass vial with HCl for VOA analysis (8280)	
2	1 L glass vial with no preservative for SVOC analysis (8270)	
2	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
—	1 L glass vial with no preservative for PCB analysis (filtered)	
1	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
—	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: @ air tubing is not connected to the brass connector on well cap - the white plastic piece is broken off which does not allow air into the pump. JA/EGK attempt to replace with a set from partnership but unsuccessful (brass piece is rusted onto well cap) sampled by duct taping air hose and air tubing to each other and creating a seal forcing air into tubing

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
1,2,4-Trichlorobenzene: YES / NO
Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
1,4-Dichlorobenzene YES / NO
Indeno(1,2,3-cd)pyrene YES / NO
4-Nitrophenol YES / NO
Pentachlorophenol YES / NO
2,4,6-Trichlorophenol YES / NO
o,o,o-Triethylphosphorothioate YES / NO

PCBs (8062)

Aroclors YES / NO
Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
Parathion YES / NO

METALS (6010)

Beryllium YES / NO
Cobalt YES / NO
Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 10-13/21 Personnel: JA, EGK
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-15 Begin Time: 1802 End Time: 1920
 Weather: sunny cool Site Conditions: good
 COC ID #1: MW-15 = Original Sample COC ID #2: = Duplicate
 COC ID #3: = Field Blank COC ID #4: MW-15 MS/MSD (labelled as MW-15 for all bottles)
 COC ID #5: = Original Sample (Filtered) COC ID #6: = Duplicate (Filtered) (checked MS/MSD on COC)

SAMPLING DATA / FIELD PARAMETERS
 Temperature: 21.60 Color: clean
 (°F / °C) pH: 5.00 Appearance: clean
 (Standard Units) Turbidity: 4.60 DO: 2.95
 (NTU) Conductivity: 803 ORP: -150.3
 (µmhos/cm) Sampling Method/ Material: dedicated teflon lined bladder pump

COLLECTED	CONTAINER & ANALYSES DESCRIPTION	NOTES
9	40 mL glass vial with HCl for VOA analysis (8260)	
6	1 L glass vial with no preservative for SVOC analysis (8270)	
6	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
6	1 L glass vial with no preservative for PCB analysis	
—	1 L glass vial with no preservative for PCB analysis (filtered)	
—	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
3	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS
 Condition of well: good but dedicated pump is stuck in well.

PARAMETER LIST
VOCs (8260) Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO
SVOCs (8270) 1,2-Dichlorobenzene: YES / NO
 1,4-Dichlorobenzene: YES / NO
 Indeno(1,2,3-cd)pyrene: YES / NO
 4-Nitrophenol: YES / NO
 Pentachlorophenol: YES / NO
 2,4,6-Trichlorophenol: YES / NO
 o,o,o-Triethylphosphorothioate: YES / NO
PCBs (8082) Aroclors: YES / NO
 Homologs: YES / NO
PESTICIDES (8141) Tetraethylthiopyrophosphate / Sulfolepp: YES / NO
 Parathion: YES / NO
METALS (6010) Beryllium: YES / NO
 Cobalt: YES / NO
 Manganese: YES / NO
MERCURY (7470) Mercury: YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 10-13-2021 Personnel: FGK, JA
Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
Well ID: MW-12A Begin Time: 1612 End Time: 1640
Weather: overcast, hot Site Conditions: good - grassy
COC ID #1: MW-12A = Original Sample COC ID #2: = Duplicate
COC ID #3: = Field Blank COC ID #4: = MS/MSD
COC ID #6: = Original Sample (Filtered) COC ID #8: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.7 °C Color: clear
pH: 7.80 Appearance: clear
(Standard Units)
Turbidity: 5.41 NTU DO: 5.00 mg/L
Conductivity: 511 µmhos/cm ORP: 75.2 mV
Sampling Method/Material: dedicated nylon lined bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
✓	40 mL glass vial with HCl for VOA analysis (8260)	
2	1 L glass vial with no preservative for SVOC analysis (8270)	
2	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
—	1 L glass vial with no preservative for PCB analysis (filtered)	
—	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
—	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good though some mud in tubing before sampling which we cleared out

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
1,2,4-Trichlorobenzene: YES / NO
Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
1,4-Dichlorobenzene YES / NO
Indeno(1,2,3-cd)pyrene YES / NO
4-Nitrophenol YES / NO
Pentachlorophenol YES / NO
2,4,6-Trichlorophenol YES / NO
o,o,o-Triethylphosphorothioate YES / NO

PCBs (8062)

Aroclors YES / NO
Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
Parathion YES / NO

METALS (8010)

Beryllium YES / NO
Cobalt YES / NO
Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 8739 Date: 10-13-21 Personnel: EGK, JA, AJV
Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
Well ID: MW-11A Begin Time: 1258-1452 End Time: 1515
Weather: Sunny Site Conditions: good, lot of dried leaves
COC ID #1: MW-11A = Original Sample COC ID #2: = Duplicate
COC ID #3: = Field Blank COC ID #4: = MS/MSD
COC ID #5: = Original Sample (Filtered) COC ID #6: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 18.30 Color: clear
(°F/°C) 7.65 pH: 7.65 Appearance: clear
(Standard Units) 40.5 Turbidity: 40.5 DO: 6.80
(NTU) 590 Conductivity: 590 (mg/L) -47.9
(µmhos/cm) ORP: -47.9 (mV)
Sampling Method/ Material: dedicated teflon lined bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
—	40 mL glass vial with HCl for VOA analysis (8260)	
2	1 L glass vial with no preservative for SVOC analysis (8270)	
2	1 L glass vial with no preservative for Organophos. Past. analysis (8141)	
2	1 L glass vial with no preservative for PCB analysis	
—	1 L glass vial with no preservative for PCB analysis (filtered)	
—	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
—	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good — air/water tubes full of mud in well

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
1,2,4-Trichlorobenzene: YES / NO
Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
1,4-Dichlorobenzene YES / NO
Indeno(1,2,3-cd)pyrene YES / NO
4-Nitrophenol YES / NO
Pentachlorophenol YES / NO
2,4,6-Trichlorophenol YES / NO
o,o,o-Triethylphosphorothioate YES / NO

PCBs (8062)

Aroclors YES / NO
Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
Parathion YES / NO

METALS (8010)

Beryllium YES / NO
Cobalt YES / NO
Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 10/12/2021 Personnel: JA, Egl
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1
 Well ID: MW-16 Begin Time: 1633 End Time: 1710
 Weather: Sunny, breezy Site Conditions: good - gravel/rock
 COC ID #1: MW-16 = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 20.3 Color: yellow-green
 (°F) 4.19 Appearance: yellow-green
 pH: 7.64 DO: 1.10
 (Standard Units) Turbidity: 51.9 (mg/L)
 (NTU) Conductivity: _____ ORP: 191.3
 (µmhos/cm) Sampling Method/Material: teflon lined dedicated bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>3</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
<u>1</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>1</u>	250 mL plastic with HNO ₃ for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO ₃ for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: ☒ YES / ☐ NO
 1,2,4-Trichlorobenzene: YES / ☒ NO
 Trichloroethene: YES / ☒ NO

SVOCs (8270)

1,2-Dichlorobenzene YES / ☒ NO
 1,4-Dichlorobenzene YES / ☒ NO
 Indeno(1,2,3-cd)pyrene YES / ☒ NO
 4-Nitrophenol ☒ YES / ☐ NO
 Pentachlorophenol YES / ☒ NO
 2,4,6-Trichlorophenol YES / ☒ NO
 o,o,o-Triethylphosphorothioate ☒ YES / ☐ NO

PCBs (8082)

Aroclors ☒ YES / ☐ NO
 Homologs YES / ☒ NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate /
 Sulfotep ☒ YES / ☐ NO
 Parathion ☒ YES / ☐ NO

METALS (6010)

Beryllium YES / ☒ NO
 Cobalt ☒ YES / ☐ NO
 Manganese YES / ☒ NO

MERCURY (7470)

Mercury YES / ☒ NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 10-12-21 Personnel: EGK, JA, AJW
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1

Well ID: MW-20A Begin Time: 1337 End Time: 1518
 Weather: cloudy, slightly windy, cool Site Conditions: good, sloped
 COC ID #1: MW-20A = Original Sample COC ID #2: Duplicate = Duplicate
 COC ID #3: = Field Blank COC ID #4: = MS/MSD
 COC ID #5: = Original Sample (Filtered) COC ID #6: = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 22.8 °C Color: clear
 (°F/°C) pH: 6.72 Appearance: clear
 (Standard Units) Turbidity: 7.69 DO: 0.48
 (NTU) Conductivity: 1311 (mg/L) ORP: -77.3
 (µmhos/cm) Sampling Method/ Material: dedicated teflon lined bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
<u>6</u>	40 mL glass vial with HCl for VOA analysis (8260)	
<u>4</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>4</u>	1 L glass vial with no preservative for Organophos, Pest. analysis (8141)	
<u>4</u>	1 L glass vial with no preservative for PCB analysis	
<u>1</u>	1 L glass vial with no preservative for PCB analysis (filtered)	
<u>2</u>	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
<u>1</u>	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good, in tact, well pad stable

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,p-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

GROUNDWATER SAMPLING FORM

GSI Job No.: 5739 Date: 10/12/2021 Personnel: JA, ECK, ATV
 Project: Solutia Anniston RCRA GW Sampling Client: Solutia Page: 1 of 1

Well ID: MW-13A Begin Time: 1207 End Time: 1305
 Weather: overcast, cool Site Conditions: good - grassy
 COC ID #1: MW-13A = Original Sample COC ID #2: _____ = Duplicate
 COC ID #3: _____ = Field Blank COC ID #4: _____ = MS/MSD
 COC ID #5: _____ = Original Sample (Filtered) COC ID #6: _____ = Duplicate (Filtered)

SAMPLING DATA / FIELD PARAMETERS

Temperature: 16.8 Color: clear
 (°F / °C) 6.94
 pH: 6.94 Appearance: clear
 (Standard Units)
 Turbidity: 0.57 DO: 4.46
 (NTU) (mg/L)
 Conductivity: 367.5 ORP: 149.0
 (µmhos/cm) (mV)
 Sampling Method/ Material: dedicated teflon lined bladder pump

CONTAINER & ANALYSES DESCRIPTION

COLLECTED	CONTAINER & ANALYSES	NOTES
	40 mL glass vial with HCl for VOA analysis (8280)	
<u>2</u>	1 L glass vial with no preservative for SVOC analysis (8270)	
<u>2</u>	1 L glass vial with no preservative for Organophos. Pest. analysis (8141)	
<u>2</u>	1 L glass vial with no preservative for PCB analysis	
	1 L glass vial with no preservative for PCB analysis (filtered)	
	250 mL plastic with HNO3 for metals analysis (see COC for exact metals)	
	250 mL plastic with HNO3 for metals analysis (filtered)	

REMARKS

Condition of well: good

PARAMETER LIST

VOCs (8260)

Chlorobenzene: YES / NO
 1,2,4-Trichlorobenzene: YES / NO
 Trichloroethene: YES / NO

SVOCs (8270)

1,2-Dichlorobenzene YES / NO
 1,4-Dichlorobenzene YES / NO
 Indeno(1,2,3-cd)pyrene YES / NO
 4-Nitrophenol YES / NO
 Pentachlorophenol YES / NO
 2,4,6-Trichlorophenol YES / NO
 o,o,c-Triethylphosphorothioate YES / NO

PCBs (8082)

Aroclors YES / NO
 Homologs YES / NO

PESTICIDES (8141)

Tetraethylthiopyrophosphate / Sulfotep YES / NO
 Parathion YES / NO

METALS (6010)

Beryllium YES / NO
 Cobalt YES / NO
 Manganese YES / NO

MERCURY (7470)

Mercury YES / NO

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX D: CALIBRATION LOGS

APRIL 2021 CALIBRATION LOGS

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FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: 5739 / 5740 Project Name: Anniston Spring GW Sampling
 Date of Calibration: 4-13-2021 Date of Last Calibration: 4-7-2021
 Date(s) Instrument Used: 4-13-2021 Name of Person Performing Calibration: JA

EQUIPMENT

Equipment Type: Water Quality Meter Manufacturer: YSI
 Model/Model Number: Professional Plus Serial Number: C2102

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	7.0 ± 8.68	mg/L	—	—	—
ORP	10.0 ± 240.36	mV	lot 10/2226	n/a	AJAX
Sp. Conductance	1413	umhos	Aqua Solutions	08/30/21	AJAX
pH	10 ± 0.01	pH	↓	06/30/22	↓
pH	7 ± 0.01	pH	↓	10/30/22	↓
pH	4 ± 0.01	pH	↓	10/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	1324	22.4°C	8.68 mg/L	8.68 mg/L	0%	PASS
ORP	1325	20.5°C	240.36 mV	242.3 mV	±10mV	PASS
Sp. Cond	1333	21.1°C	1413 umhos	1480 umhos	4.5%	PASS
pH	1339	21.2°C	10 ± 0.01	10.01	±0.2	PASS
pH	1346	21.3°C	7 ± 0.01	7.02	±0.2	PASS
pH	1415	23.3°C	4 ± 0.01	3.89	±0.2	FAIL
1430	used 4, 7, 10 to calibrate pH then checked 4, 7, 10, all standards within ±0.2 units					

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739/5740</u>	Project Name: <u>Spring GW Sampling</u>
Date of Calibration: <u>4/13/21</u>	Date of Last Calibration: <u>4/7/21</u>
Date(s) Instrument Used: <u>YSI professional plus</u> <u>4/13/21</u>	Name of Person Performing Calibration: <u>Jason Carroll</u>

EQUIPMENT

Equipment Type: <u>YSI professional plus</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>YSI water quality meter</u>	Serial Number: <u>12116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.65 @ 17.1°C	mg/L	—	—	—
Redox	239.1 @ 16.3°C	mV	—	—	—
Specific Conductance	1413 µS/cm	µmhos	agner Solutions	08/30/21	AJAX
pH	4.01 ± 0.01	S.U.	↓	10/30/22	↓
pH	7 ± 0.01	S.U.	↓	10/30/22	↓
pH	10 ± 0.01	S.U.	↓	06/30/22	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
13:21	17.2°C	9.63	9.82	SD 2.2% 0.19 mg/L	Pass
13:55	16.4°C	238.9	238.9	SD 0.4% -0.2 mV	Pass
14:05	16.6°C	1413	1416		Pass
14:28	17.2 ± 0.7°C	4.01	3.96		Pass
14:33	17.3°C	7.0	6.96		Pass
14:37	17.2°C	10.0	9.95		Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Armstrong GW Sampling</u>
Date of Calibration: <u>4-13-2021</u>	Date of Last Calibration: <u>9-10-2020</u>
Date(s) Instrument Used: <u>4-13-2021</u>	Name of Person Performing Calibration: <u>JK</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>HI98703</u>
Model/Model Number: <u>C3106</u>	Serial Number: <u>HANNA</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.6	NTU	Gelex	N/A	ATPA
0-100	59.8	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
1406	22.9	6.6	6.8	0.03%	PASS
1406	↓	59.8	59.5	0%	PASS
1406	↓	573	577	0%	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Amistat Spring G.W. Sampling</u>
Date of Calibration: <u>4-13-2021</u>	Date of Last Calibration: <u>3-11-2021</u>
Date(s) Instrument Used: <u>4-13-2021</u>	Name of Person Performing Calibration: <u>JA</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>HANNA</u>
Model/Model Number: <u>HI98703</u>	Serial Number: <u>C3114</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	8.17	NTU	Gelex	N/A	ARAX
0-100	60.4	↓	↓	↓	↓
0-1000	541	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
1358	22.4°C	8.17	8.31	0.02%	Pass
1359	↓	60.4	60.0	~0%	Pass
1359	↓	541	541	0%	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Anniston Spring GW Sampling</u>
Date of Calibration: <u>4-14-2021</u>	Date of Last Calibration: <u>4-13-2021</u>
Date(s) Instrument Used: <u>4-14-2021</u>	Name of Person Performing Calibration: <u>JA</u>

EQUIPMENT

Equipment Type: <u>Water Quality Meter</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Professional Plus</u>	Serial Number: <u>C2102</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.337	mg/L	—	—	—
ORP	236.3 236.3	mV	AquaSolutions	N/A	AJAX
Sp. Cond.	1413	umhos	↓	8/30/21	↓
pH	4 ± 0.01	pH	↓	10/30/22	↓
pH	7 ± 0.01	pH	↓	10/30/22	↓
pH	10 ± 0.01	pH	↓	06/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	632	18.7°C	9.337 mg/L	9.34 mg/L	0%	PASS
ORP	635	18.6°C	236.3 236.3 mV	236.3 mV	0%	PASS
Sp. Cond.	647	19.6°C	1413 umhos	1413 umhos	0%	PASS
pH	655	19.3°C	4 ± 0.01	4.05	± 0.05	PASS
pH	705	19.3°C	7 ± 0.01	7.19	± 0.19	PASS
pH	707	19.3°C	10 ± 0.01	10.07	± 0.07	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739/5740</u>	Project Name: <u>Amston 6W Sampling</u>
Date of Calibration: <u>4-14-21</u>	Date of Last Calibration: <u>4-13-21</u>
Date(s) Instrument Used: <u>4-14-21</u>	Name of Person Performing Calibration: <u>SEP</u>

EQUIPMENT

Equipment Type: <u>YSI</u>	Manufacturer: <u>YSE</u>
Model/Model Number: <u>Professional Plus</u>	Serial Number: <u>C2116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	10.54 @ 13°C	mg/L	—	—	—
ORP	243.08 @ 13.4°C	mV	—	—	—
Spec. EC Conductance	1413	µmhos	Aqua Solutions	08/30/21	AJAX
pH	4.01 ± 0.01	S.U	Aqua Solutions	10/30/22	AJAX
pH	7.00 ± 0.01	S.U	↓	10/30/22	AJAX
pH	10.01 ± 0.01	S.U	↓	06/30/22	AJAX

CALIBRATION

Time	Temperature °C	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
639	12.6	10.636	10.44	± 0.2	Pass
656	13.0	243.6	243.5	± 0.1	Pass
705	13.3°	1413	1430	± 0.2 1.2%	Pass
710	13.3°	4.01	3.98	± 0.03	Pass
713	13.5°	10.01	9.95	± 0.06	Pass
716	13.4°	7.0	7.04	± 0.04	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

DO
ORP
Spec. Cond
pH 4
pH 7

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	<u>5739/5740</u>	Project Name:	<u>Anniston Spring GW Sampling</u>
Date of Calibration:	<u>4-14-2021</u>	Date of Last Calibration:	<u>4-13-2021</u>
Date(s) Instrument Used:	<u>4-14-2021</u>	Name of Person Performing Calibration:	<u>JFA</u>

EQUIPMENT

Equipment Type:	<u>Turbidity Meter</u>	Manufacturer:	<u>HANNA</u>
Model/Model Number:	<u>HI98403</u>	Serial Number:	<u>C3106</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.6	NTU	Galex	N/A	ATAX
0-100	59.8	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
718	19°C	6.6	6.54	0%	Pass
718	↓	59.8	59.2	0%	↓
719	↓	573	576	0%	↓

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

5739

GSI Job No.: <u>5741 / 5740</u>	Project Name: <u>Amnston Gw Sampling</u>
Date of Calibration: <u>4-14-21</u>	Date of Last Calibration: <u>4-13-21</u>
Date(s) Instrument Used: <u>4-14-21</u>	Name of Person Performing Calibration: <u>STO</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>Hannat Hanna</u>
Model/Model Number: <u>H# 98703</u>	Serial Number: <u>C3114 H# 98703</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
turbidity	0-10, 8.17	NTU	Geley	—	AJAX
turbidity	0-100, 60.4	NTU	Geley	—	AJAX
turbidity	0-1000, 541	NTU	Geley	—	AJAX

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
728	—	0-10, 8.17	7.77	4.8%	Pass
729	—	0-100, 60.4	58	3.9%	Pass
729	—	0-1000, 541	536	0.9%	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	<u>5739 / 5740</u>	Project Name:	<u>Anniston Spring GW sampling</u>
Date of Calibration:	<u>4-15-2021</u>	Date of Last Calibration:	<u>4-14-2021</u>
Date(s) Instrument Used:	<u>4-14-2021</u>	Name of Person Performing Calibration:	<u>JA</u>

EQUIPMENT

Equipment Type:	<u>Water Quality meter</u>	Manufacturer:	<u>YSI</u>
Model/Model Number:	<u>professional plus</u>	Serial Number:	<u>C2102</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.337	mg/L	—	—	—
ORP	229	mV	AquaSolutions	n/a	AJAX
Sp. Cond.	1413	umhos	↓	8/30/21	↓
pH	4.01 ± 0.01	pH	↓	6/30/22	↓
pH	7.00 ± 0.01	pH	↓	10/30/22	↓
pH	10.00 ± 0.01	pH	↓	10/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	650	18.7	9.337 mg/L	9.34 mg/L	± 0.0% mg/L	PASS
ORP	657	19.4	229 mV	228.3 mV	± 0.7 mV	PASS
Sp. Cond.	702	19.4	1413 umhos	1421 umhos	0.5%	PASS
pH	708	19.2	4.01	3.99	± 0.02	PASS
pH	710	19.3	10.00	10.01	± 0.01	PASS
pH	714	19.3	7.00	7.14	± 0.14	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Anniston GW Sampling</u>
Date of Calibration: <u>4/15/21</u>	Date of Last Calibration: <u>4/14/21</u>
Date(s) Instrument Used: <u>4/15/21</u>	Name of Person Performing Calibration: <u>AJV / SR</u>

EQUIPMENT	
Equipment Type: <u>YSI</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Pro Plus</u>	Serial Number: <u>C2116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	10.425 @ 13.5	mg/L	-	-	-
ORP	229	mV	-	N/A	AJAX
Specific Conductance	1413	µmhos	Aqua Solutions	8/30/21	AJAX
pH	4.01 ± .01	SV		10/30/22	AJAX
pH	7.00 ± .01	SV		10/30/22	AJAX
pH	10.01 ± .01	SV		10/30/22	AJAX

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation $\frac{R-L}{L}$	Pass/Fail (See "Notes" to determine)
700	13.5 C	10.425	10.43	+ - 0.09%	Pass
711	14.0	229.0	229.0	+ - 0.01% mV	Pass
717	14.4 13.9	1413	1414	+ - 0.07%	Pass
722	13.7	4.01	4.00	+ - 0	Pass
724	13.8	10.01	9.98	+ - .02	Pass
727	13.8	7.01	7.06	+ - .06	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

DO
ORP
Spec Con
pH 4
pH 7
pH 10

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Amherston Spring GW Sampling</u>
Date of Calibration: <u>4-15-2021</u>	Date of Last Calibration: <u>4-14-2021</u>
Date(s) Instrument Used: <u>4-15-2021</u>	Name of Person Performing Calibration: <u>JFA</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>HANNA</u>
Model/Model Number: <u>H19B703</u>	Serial Number: <u>C3114</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.6	NTU	Gallen	n/a	AJAX
0-100	59.8	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
7:22	~19°C	6.6	6.42	0.18 2.7%	PASS
7:22	↓	59.8	57.3	4.2%	PASS
7:22	↓	573	575	0.34%	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5479 5490</u>	Project Name: <u>Amston GW Sampling</u>
Date of Calibration: <u>4-15-21</u>	Date of Last Calibration: <u>4-14-21</u>
Date(s) Instrument Used: <u>4-15-21</u>	Name of Person Performing Calibration: <u>AJV</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>Hanna</u>
Model/Model Number: <u>HI 98703</u>	Serial Number: <u>C3106</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
Turbidity	0-10	NTU	Gelox	—	ATAx
Turbidity	0-100	NTU	Gelox	—	ATAx
Turbidity	0-1000	NTU	Gelox	—	ATAx

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
735		0-10 6.6	6.67	0.15%	Pass
747		0-100 59.8	59.7	0.17%	Pass
739		0-1000 574	574	0%	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Arriiston Spring GLW sampling</u>
Date of Calibration: <u>4-16-2021</u>	Date of Last Calibration: <u>4-15-2021</u>
Date(s) Instrument Used: <u>4-16-2021</u>	Name of Person Performing Calibration: <u>JFA</u>

EQUIPMENT

Equipment Type: <u>Water Quality Meter</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Professional Plus</u>	Serial Number: <u>C2102</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.77 mg/L	mg/L	—	—	—
ORP	229	mV	Aqua Solutions	n/a	AJAX
Sp. Cond.	1413	umhos	↓	8/30/21	↓
pH	4.0 ± 0.01	pH	↓	6/30/22	↓
pH	7.0 ± 0.01	↓	↓	10/30/22	↓
pH	10.0 ± 0.01	↓	↓	10/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	638	16.5°C	9.77 mg/L	9.73 mg/L	± 0.04	PASS
ORP	642	16.9°C	229 mV	236.2 mV	± 7.2	PASS
Sp. Cond.	647	16.8°C	1413 umhos	1413 umhos	0%	PASS
pH	655	16.8°C	4.00 ± 0.01	3.92	± 0.08	PASS
pH	700	16.7°C	10.0 ± 0.01	10.00	± 0.00	PASS
pH	704	16.2°C	7.0 ± 0.01	7.06	± 0.06	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	5739/5740	Project Name:	Ammonia BW sampling
Date of Calibration:	4-16-21	Date of Last Calibration:	4-16-21
Date(s) Instrument Used:	4-16-21	Name of Person Performing Calibration:	AJ STR

EQUIPMENT

Equipment Type:	YSI	Manufacturer:	YSI
Model/Model Number:	professional plus	Serial Number:	C2116

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO		mg/L	—	—	—
ORP	229	mV	—	N/A	AJAX
Sp. Cond	1413	µmhos	Aqua Solution	8/30/21	AJAX
pH 4	4.01 ± 0.01	S.U.	↓	10/30/22	↓
pH 7	7.00 ± 0.01	S.U.	↓	10/30/22	↓
pH 10	10.00 ± 0.01	S.U.	↓	6/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	638	10.9	11.08	11.76	± 0.68 mg/L	Fail
DO	645	10.6	11.13	11.19	± 0.06 mg/L	Pass
ORP	647	11.3	229	235.1	± 0.1 mV	Pass
Sp. Cond	652	11.3	1413	1436	± 1.63 %	Pass
pH 4	658	11.1	4	3.94	± 0.06 SU	Pass
pH 10	701	11.2	10	9.94	± 0.06 SU	Pass
pH 7	704	10.8	7	7.05	± 0.05 SU	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	<u>5739/ 5740</u>	Project Name:	<u>Anniston Spring GLW Sampling</u>
Date of Calibration:	<u>4-16-2021</u>	Date of Last Calibration:	<u>4-15-2021</u>
Date(s) Instrument Used:	<u>4-16-2021</u>	Name of Person Performing Calibration:	<u>JH</u>

Equipment Type:	<u>JH Turbidity Meter</u>	EQUIPMENT	
Model/Model Number:	<u>Professional Plus HI98703</u>	Manufacturer:	<u>HANNA</u>
		Serial Number:	<u>C3106</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.60	NTU	Gelex	n/a	ATA
0-100	59.8	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
712	17°C	6.6	6.57	0.4%	PASS
712	↓	59.8	59.9	0.1%	PASS
712	↓	573	577	0.6%	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

5739

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Amistat Spring for sampling</u>
Date of Calibration: <u>4-16-21</u>	Date of Last Calibration: <u>4-15-21</u>
Date(s) Instrument Used: <u>4-16-21</u>	Name of Person Performing Calibration: <u>STP</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>Hanna</u>
Model/Model Number: <u>HI 98703</u>	Serial Number: <u>C3114</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
turbidity	8.17	NTU	Gelax	—	AJAX
↓	60.4	↓	↓	—	↓
↓	541	↓	↓	—	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
712	—	8.17	7.64	6.49%	Pass
713	—	60.4	58.4	3.31%	Pass
713	—	541	536	0.92%	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Amiston Spring GLW Sampling</u>
Date of Calibration: <u>4-17-2021</u>	Date of Last Calibration: <u>4-16-2021</u>
Date(s) Instrument Used: <u>4-17-2021</u>	Name of Person Performing Calibration: <u>JH</u>

EQUIPMENT

Equipment Type: <u>Water Quality Meter</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Professional Plus</u>	Serial Number: <u>C2102</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.55	mg/L	—	—	—
ORP	229	mV	Aqua Solutions	n/a	AJAX
Sp. Cond.	1413	umhos	↓	8/30/21	↓
pH	4.0 ± 0.01	pH	↓	6/30/22	↓
pH	7.0 ± 0.01	↓	↓	10/30/22	↓
pH	10.0 ± 0.01	↓	↓	10/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	659	17.6°C	9.55 mg/L	9.60 mg/L	± 0.05	PASS
ORP	705	17.8°C	229 mV	232.1 mV	± 3.1	PASS
Sp. Cond.	708	17.7°C	1413 umhos	1360 umhos	± 3.8%	PASS
pH	720	17.6°C	4.00	3.95	± 0.05	PASS
pH	725	17.5°C	7.00	7.10	± 0.10	PASS
pH	729	17.5°C	10.00	9.98	± 0.02	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739/5740</u>	Project Name: <u>Amesbury GW sampling</u>
Date of Calibration: <u>4-17-21</u>	Date of Last Calibration: <u>4-16-21</u>
Date(s) Instrument Used: <u>4-17-21</u>	Name of Person Performing Calibration: <u>STP</u>

EQUIPMENT

Equipment Type: <u>YSI</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Professional plus</u>	Serial Number: <u>C2116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	10.81 @ 11.90	mg/L	—	—	—
ORP	229	mV	—	NA	AJAx
Sp cond	1413	µmhos	Aqua Solutions	8/30/21	↓
pH 4	4.01 ± 0.01	S.V.	↓	10/30/22	↓
pH 7	7.00 ± 0.01	S.V.	↓	10/30/22	↓
pH 10	10.00 ± 0.01	S.V.	↓	6/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	734	12.0 11.9	10.81	10.84	± 0.03	Pass
ORP	738	12.2	229	233.5	± 4.5	Pass
Sp cond	741	12.1	1413	1433	± 1.42%	Pass
pH 4	744	12.0	4.01	3.98	± 0.03	Pass
pH 10	747	11.9	7.00 10.00	9.96	± 0.04	Pass
pH 7	750	12.1	10.00 7.00	7.01	± 0.01	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739/5740</u>	Project Name: <u>Anniston Spring GW Sampling</u>
Date of Calibration: <u>4-17-2021</u>	Date of Last Calibration: <u>4-16-2021</u>
Date(s) Instrument Used: <u>4-17-2021</u>	Name of Person Performing Calibration: <u>JA</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>HANNA</u>
Model/Model Number: <u>HI914703</u>	Serial Number: <u>C3106</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.60	NTU	Gelex	n/a	AJAX
0-100	59.8	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
734	17°C	6.6	6.66	0%	PASS
734	↓	59.8	59.8	0%	PASS
734	↓	573	576	0.5%	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Ammonia Gw Sampling</u>
Date of Calibration: <u>4-17-21</u>	Date of Last Calibration: <u>4-16-21</u>
Date(s) Instrument Used: <u>4-17-21</u>	Name of Person Performing Calibration: <u>STP</u>

EQUIPMENT

Equipment Type: <u>Turbidity meter</u>	Manufacturer: <u>Hanna</u>
Model/Model Number: <u>HI 98703</u>	Serial Number: <u>13114</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
turbidity	8.17	NTU	Gelex	—	ATA
↓	60.4	↓	↓	—	↓
↓	541	↓	↓	—	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
759	—	8.17	7.84	$\pm 4.04\%$	Pass
759	—	60.4	56.8	$\pm 5.96\%$	Pass
	—	541	531	$\pm 1.85\%$	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	<u>5739 / 5740</u>	Project Name:	<u>Amiston Spring GUN Sampling</u>
Date of Calibration:	<u>4-19-2021</u>	Date of Last Calibration:	<u>4-17-2021</u>
Date(s) Instrument Used:	<u>4-19-2021</u>	Name of Person Performing Calibration:	<u>JA</u>

EQUIPMENT

Equipment Type:	<u>Water Quality Meter</u>	Manufacturer:	<u>YSI</u>
Model/Model Number:	<u>Professional Plus</u>	Serial Number:	<u>C2102</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.73	mg/L	—	—	—
ORP	229	mV	AquaSolution	n/a	AJAX
Sp. Cond.	1413	umhos	↓	8/30/21	↓
pH	4.0 ± 0.01	pH	↓	6/30/22	↓
pH	7.0 ± 0.01	↓	↓	10/30/22	↓
pH	10.0 ± 0.01	↓	↓	10/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	635	16.7°C	9.73	9.60	± 0.13	Pass
ORP	639	17.2°C	229	233.5	± 4.5	Pass
Sp. Cond.	641	16.9°C	1413	1413	0%	Pass
pH	647	16.7°C	4.0 ± 0.01	3.92	± 0.08	Pass
pH	657	16.7°C	7.0 ± 0.01	7.12	± 0.12	Pass
pH	653	17.0°C	10 ± 0.01	10.00	± 0.0	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>573915740</u>	Project Name: <u>Ammonia Gas Sampling</u>
Date of Calibration: <u>4-19-21</u>	Date of Last Calibration: <u>4-17-21</u>
Date(s) Instrument Used: <u>4-19-21</u>	Name of Person Performing Calibration: <u>STP</u>

EQUIPMENT

Equipment Type: <u>1st Water Quality Meter</u>	Manufacturer: <u>HSE</u>
Model/Model Number: <u>Professional Plus</u>	Serial Number: <u>C2116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	11.21 11.30	mg/L	—	—	—
ORP	229	mV	—	NA	AJAX
Sp. Cond	1413	umhos	Aqua Solutions	8/30/21	↓
pH 4	4.01 ± 0.01	SV	↓	10/30/22	↓
pH 7	7.00 ± 0.01	SV	↓	10/30/22	↓
pH 10	10.00 ± 0.01	SV	↓	6/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	652	10.3	11.21	11.22	±0.01	Pass
ORP	654	11.4	229	235.0	±6	Pass
Sp. Cond	658	11.3	1413	1418	±0.212	Pass
pH 4	702	11.0	4.01	3.95	±0.06	Pass
pH 10	705	11.3	10	9.96	±0.04	Pass
pH 7	708	11.1	7	7.07	±0.07	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739 / 5740</u>	Project Name: <u>Anniston Spring GW Sampling</u>
Date of Calibration: <u>4-19-21</u>	Date of Last Calibration: <u>4-17-21</u>
Date(s) Instrument Used: <u>4-19-21</u>	Name of Person Performing Calibration: <u>JA</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>HANNA</u>
Model/Model Number: <u>HI90703</u>	Serial Number: <u>C3106</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.60	NTU	Gelex	n/a	AJAX
0-100	59.3	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
705	17°C	6.60	6.52	1.2%	Pass
705	↓	59.3	60.0	0.3%	Pass
705	↓	573	576	0.5%	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739</u>	Project Name: <u>Amnisher G.W. Sampling</u>
Date of Calibration: <u>4-19-21</u>	Date of Last Calibration: <u>4-17-21</u>
Date(s) Instrument Used: <u>4-19-21</u>	Name of Person Performing Calibration: <u>STA</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>Hanna</u>
Model/Model Number: <u>HT 98303</u>	Serial Number: <u>C3114</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
Turbidity low	8.17	NTU	Gelox	—	AJPA
↓ mid	60.4	↓	↓	—	↓
↓ high	541	↓	↓	—	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
718	—	8.17	7.75	±5.14 %	Pass
718	—	60.4	58.2	±3.64 %	Pass
718	—	541	530	±2.03 %	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	<u>5739/5740</u>	Project Name:	<u>Amniston Spring G.W. Sampling</u>
Date of Calibration:	<u>4-20-2021</u>	Date of Last Calibration:	<u>4-19-2021</u>
Date(s) Instrument Used:	<u>4-20-2021</u>	Name of Person Performing Calibration:	<u>JH</u>

EQUIPMENT

Equipment Type:	<u>Water Quality Meter</u>	Manufacturer:	<u>YSI</u>
Model/Model Number:	<u>Professional Plus</u>	Serial Number:	<u>C2102</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	9.63	mg/L	—	—	—
ORP	229	mV	Aqua Solutions	n/a	APAX
Sp. Cond.	1413	umhos	↓	8/30/21	↓
pH	4 ± 0.01	pH	↓	6/30/22	↓
pH	7 ± 0.01	↓	↓	10/30/22	↓
pH	10 ± 0.01	↓	↓	10/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	521	17.2°C	9.63 mg/L	9.78 mg/L	± 0.15	PASS
ORP	525	17.4°C	229 mV	233.7 mV	± 4.7	PASS
Sp. Cond.	529	17.6°C	1413 umhos	1414 umhos	0.07%	PASS
pH	533	17.4°C	4 ± 0.01	3.95	± 0.05	PASS
pH	539	17.4°C	7 ± 0.01	7.07	± 0.07	PASS
pH	536	17.5°C	10 ± 0.01	9.99	0.01	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5735/5740</u>	Project Name: <u>Spring Anasazi GW Sampling</u>
Date of Calibration: <u>4-20-21</u>	Date of Last Calibration: <u>4-19-21</u>
Date(s) Instrument Used: <u>4-20-21</u>	Name of Person Performing Calibration: <u>STH</u>

EQUIPMENT

Equipment Type: <u>water quality meter</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Professional plus</u>	Serial Number: <u>C2116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO		mg/L	—	—	—
ORP	229	mV	—	NA	ATAx
Specific Conductance	1415	umhos	Aqua Solutions	8/30/21	↓
pH 4	4.01 ± 0.01	5U	↓	10/30/22	↓
pH 7	7.00 ± 0.01	5U	↓	10/30/22	↓
pH 10	10.00 ± 0.01	5U	↓	6/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO ORP Sp Cond pH 4 pH 10 pH 7	523	11.5	10.91	10.93	±0.02 mg/L	Pass
	526	11.9	229	233.8	±0.48 mV	Pass
	530	11.9	1413	1384	±2.05 %	Pass
	533 545	11.8	4.01	4.00 3.98		
	537 ~547	11.9	7.00	4.98 7.04		
	540 551	11.8	10.00	7.04 7.04		

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739/5740</u>	Project Name: <u>Amnion Spring GW Sampling</u>
Date of Calibration: <u>4-20-21</u>	Date of Last Calibration: <u>4-19-2021</u>
Date(s) Instrument Used: <u>4-20-21</u>	Name of Person Performing Calibration: <u>JH</u>

EQUIPMENT

Equipment Type: <u>Turbidity Meter</u>	Manufacturer: <u>HANNA</u>
Model/Model Number: <u>HI98703</u>	Serial Number: <u>C3106</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
0-10	6.60	NTU	Greiner	n/a	AJAA
0-100	59.8	↓	↓	↓	↓
0-1000	573	↓	↓	↓	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
543	17.5°C	6.60	6.50	0.3%	PASS
543	↓	59.8	59.6	0.3%	PASS
543	↓	573	575	0.3%	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739</u>	Project Name: <u>Aniston GW sampling</u>
Date of Calibration: <u>4-20-21</u>	Date of Last Calibration: <u>4-19-21</u>
Date(s) Instrument Used: <u>4-20-21</u>	Name of Person Performing Calibration: <u>STP</u>

EQUIPMENT

Equipment Type: <u>Turbidity</u>	Manufacturer: <u>Hanna</u>
Model/Model Number: <u>HI 98703</u>	Serial Number: <u>C3114</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
Turbidity low	8.17	NTU	beckman	—	ATAx
mid	60.4	↓	↓	—	↓
high	541	↓	↓	—	↓

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
~ 5:49	—	8.17	7.74	±5.26%	Pass
~ 5:51	—	60.4	58.0	±3.97%	Pass
5:53	—	541	533	±1.48%	Pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

OCTOBER 2021 CALIBRATION LOGS

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FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	5739	Project Name:	Solutia Anniston RCRA GW Sampling
Date of Calibration:	10/12/2021	Date of Last Calibration:	10/11/2021
Date(s) Instrument Used:	10/12/2021	Name of Person Performing Calibration:	JA, ECK

EQUIPMENT	
Equipment Type:	Multimeter
Manufacturer:	YSI
Model/Model Number:	Professional Plus
Serial Number:	C2116

Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	8.55 @ 22.2°C	mg/L	n/a	n/a	n/a
ORP	237.6 @ 22.8°C	mV	n/a	7/30/22	AJAX
pH	4	4 pH	AquaSolutors	4/30/22	↓
pH	7	7 pH	↓	6/30/23	↓
pH	10	10 pH	↓	5/30/23	↓
cond	1413	µm/cm	↓	4/30/22	↓

CALIBRATION					
Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
751	22.5	8.55 @ 22.2°C	8.56	+ 0.01	PASS
756	22.8	237.6 @ 22.8°C	234.9	- 2.7	PASS
750	22.6	4	3.94	- 0.04	PASS
759	22.6	7	7.04	+ 0.04	PASS
803	22.4	10	10.01	+ 0.01	PASS
806	22.6	1413	1405	- 0.5%	PASS

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.:	<u>5739</u>	Project Name:	<u>Solutia Anniston RCRA GW Sampling</u>
Date of Calibration:	<u>10/12/2021</u>	Date of Last Calibration:	<u>-</u>
Date(s) Instrument Used:	<u>10/12/2021</u>	Name of Person Performing Calibration:	<u>JA, EGK</u>

EQUIPMENT

Equipment Type:	<u>Turbidity Meter</u>	Manufacturer:	<u>HACH</u>
Model/Model Number:	<u>2100Q</u>	Serial Number:	<u>C3208</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
<u>Turbidity</u>	<u>10</u>	<u>NTU</u>	<u>HACH</u>	<u>01/2022</u>	<u>ATAK</u>

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
<u>654 JA</u>			<u>8.03</u>		
<u>1055</u>	<u>23°C</u>	<u>10</u>	<u>10.3</u>	<u>3%</u>	<u>PASS</u>

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739</u>	Project Name: <u>Solutia Anniston RCRA GW Sampling</u>
Date of Calibration: <u>10/13/21</u>	Date of Last Calibration: <u>10/12/21</u>
Date(s) Instrument Used: <u>10/13/21</u>	Name of Person Performing Calibration: <u>JA, ECK</u>

EQUIPMENT

Equipment Type: <u>Multimeter</u>	Manufacturer: <u>YSI</u>
Model/Model Number: <u>Professional HVS</u>	Serial Number: <u>C2116</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
DO	8.96 @ 21.8	mg/L	—	—	—
ORP	236.59 @ 22.7	mV	—	7/30/22	ATA
pH	4	pH	Aqua Solutions	4/30/22	↓
pH	7	pH	↓	6/30/23	↓
pH	10	pH	↓	5/30/23	↓
sp. cond.	1413	µm/cm	↓	4/30/22	↓

CALIBRATION

	Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
DO	543	21.8	8.96	8.96	0.0% ± 0.2	pass
ORP	544	22.7	236.59	236.60	± 0.1	pass
pH	548	22.5	4	3.99	± 0.2	pass
pH	549	22.7	7	7.06	± 0.2	pass
pH	552	22.7	10	10.02	± 0.2	pass
sp. cond.	555	22.5	1413	1367	0.032%	pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

FIELD INSTRUMENT CALIBRATION LOG

GSI Job No.: <u>5739</u>	Project Name: <u>Solutia Anniston RCRA GW Sampling</u>
Date of Calibration: <u>10-12-12</u>	Date of Last Calibration: <u>10-12-21</u>
Date(s) Instrument Used: <u>10-13-12</u>	Name of Person Performing Calibration: <u>EGK, JA</u>

EQUIPMENT

Equipment Type: <u>Turbidity meter</u>	Manufacturer: <u>HACH</u>
Model/Model Number: <u>2100 Q</u>	Serial Number: <u>C3208</u>

CALIBRATION STANDARDS

Parameter for Calibration	Calibration Standard Value (Include +/-)	Units	Brand/Name	Expiration Date	Standard Vendor
turb.	10	NTU	HACH	June 2022	Ajax

CALIBRATION

Time	Temperature	Standard Value	Instrument Response	% Deviation	Pass/Fail (See "Notes" to determine)
554	22.5	10	10.3	0.029	pass

Notes:

Turbidity: Calibration values for turbidity must be within +/- 10% of the standard for values.

Dissolved Oxygen: Calibration values for DO must be within +/- 0.2 mg/L of the standard for values. Use Table "Dissolved Oxygen Saturation."

Conductivity: Calibration values for conductivity must be within +/- 5% of the standard for values.

pH: Calibration values for pH must be within +/- 0.2 pH units of the standard for values.

Oxidation Reduction Potential (ORP or Redox): Calibration values for ORP must be within +/- 10 mV units of the standard for values.

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX E: HISTORIC DATA TABULATION

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

									RCRA Background Well							
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	MW-01B	MW-01B	MW-01B	MW-01B	MW-01B	MW-01B	MW-01B
			4/12/2017	4/11/2018	4/16/2019	5/18/2020	4/20/2021	4/7/2017	10/25/2017	4/8/2018	10/26/2018	4/13/2019	10/9/2019	5/16/2020		
			No	No	No	No	No	No	No	No	No	No	No	No	No	
			Purge Water	Purge Water	Purge Water	Purge Water	Purge Water	Purge Water	MW-01B	MW-01B	MW-01B	MW-01B	MW-01B	MW-01B	MW-01B	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	<10	-	<10	-	<10	-	<1 J	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	<10	-	<10	-	<10	-	<1 J	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	<25	<25	<25	<25	<25	<25	<25 J	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	<10	<10	<10	<10	<10	<10	<10 J	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5 R	<0.5	<0.5	<0.5	
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	-	-	-	-	-	<1	<1	<1	<1	<1	<1	<1 R	
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<0.5 R	
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	-	-	-	-	-	<10	<10	<10	<10	<10	<10	<10	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-	-	
Mercury	7439-97-6	2	2	-	-	-	-	-	<0.2	-	<0.2 J	-	<0.2 J	-	<0.2	

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
- Data Flags:

H = Bias in sample result likely to be high
 J = Estimated concentration
 L = Bias in sample result likely to be low

R = Rejected;
 -- = not applicable;
 - = not analyzed.

- Abbreviations:
 Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SIM = Selected ion monitoring

SVOCs = Semi-volatile organic compound
 VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Background Well			RCRA Groundwater Detection Monitoring									
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			MW-01B	MW-01B	MW-01B	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	
			10/21/2020	4/14/2021	10/13/2021	4/7/2017	10/26/2017	4/8/2018	10/27/2018	4/11/2019	10/9/2019	5/16/2020	10/22/2020	4/14/2021	
			No	No	No	No	No	No	No	No	No	No	No	No	
			N	N	N	N	N	N	N	N	N	N	N	N	
MW-01 B	MW-01B	MW-01B	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A	MW-11A				
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	<1	<1	<1	-	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	<1	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	<1	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	<25 J	<25	<25	<25	<25	<25 H	<25	<25	<25	<25	<25 J	<25
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10 J	<10	<10	<10	<10	<10 H	<10	11	<10	<10	<10 J	<10
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	--	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	--	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	--	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfotep	3689-24-5	6	7	--	<1.5	<1.5	<1.5	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	--	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	--	<10	<10	<10	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	--	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	--	-	<0.2	-	-	-	-	-	-	-	-	-

- Notes:
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 - Abbreviations:
 - Dup = Duplicate sample
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 - PCBs = Polychlorinated biphenyls
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 - SVOCs = Semi-volatile organic compound
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TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			MW-11A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-12A	MW-13A
			10/13/2021	4/7/2017	10/26/2017	4/8/2018	10/26/2018	4/11/2019	10/10/2019	5/16/2020	10/22/2020	4/13/2021	10/13/2021	4/7/2017	
			No	No	No	No	No	No	No	No	No	No	No	No	No
			N	N	N	N	N	N	N	N	N	N	N	N	N
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	<10	<10	13	<10	11	<10	10	<10	12 J	<10	<10
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5 L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	<1	<1	<1.5	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	-

- Notes:
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TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring													
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-08	MW-08	MW-08
			10/26/2017	4/8/2018	10/26/2018	4/11/2019	10/10/2019	5/15/2020	10/22/2020	4/13/2021	10/12/2021	4/8/2017	4/5/2018	4/16/2019		
			No	No	No	No	No	No	No	No	No	No	No	No	No	
N	N	N	N	N	N	N	N	N	N	N	N	N	N			
MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-13A	MW-08	MW-08	MW-08			
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-		
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	<1	<1	<1		
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-		
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	<10	<10	<10		
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	<10	<10	<10		
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-		
4-Nitrophenol	100-02-7	128	125	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25		
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-		
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-		
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-		
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-		
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-		
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-		
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-		
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-		
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-		
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-		
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-		
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-		
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-		
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-		
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-		
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1		
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5		
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-		
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	<10	<10	<10		
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-		
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	<0.2	<0.2 J	<0.2 J		

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
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Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring													
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			MW-08	MW-08	MW-09A	MW-09A	MW-09A	MW-09A	MW-09A	MW-09A	MW-09A	MW-14	MW-14	MW-14	MW-14	MW-14
			5/18/2020	4/14/2021	4/6/2017	4/5/2018	4/15/2019	5/18/2020	4/14/2021	4/8/2017	4/5/2018	4/16/2019	5/18/2020	4/14/2021	4/14/2021	
			No	No	No	No	No	No	No	No	No	No	No	No	No	No
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
MW-08	MW-08	MW-09A	MW-09A	MW-09A	MW-09A	MW-09A	MW-09A	MW-09A	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14		
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	<1	<1	<10	<10	<10	<1 J	<1	<10	<10	<10	<1	<1	
1,4-Dichlorobenzene	106-46-7	77	--	<1	<1	<10	<10	<10	<1 J	<1	<10	<10	<10	<1	<1	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	<25	<25	<25	<25	<25	<25 J	<25	<25	<25	<25	<25	<25	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	<10	<10	<10	<10	<10 J	<10	<10	<10	<10	<10	<10	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	<1	<1	<1	<1	<1	<1 J	<1	<1	<1	<1	1.8 J	<1	
Sulfotep	3689-24-5	6	7	<0.5	<1.5	<1.5	<1.5	<1.5	<0.5 J	<1.5	<1.5	<1.5	<1.5	<0.5	<1.5	
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	<10	<10	<10	<10	39	
Mercury	7439-97-6	2	2	<0.2	<0.2	<0.2	<0.2 J	<0.2 J	<0.2	<0.2	<0.2	<0.2 J	<0.2 J	<0.2	<0.2	

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
- Data Flags:

H = Bias in sample result likely to be high
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L = Bias in sample result likely to be low

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-- = not applicable;
- = not analyzed.

- Abbreviations:
Dup = Duplicate sample
N = Original sample
PCBs = Polychlorinated biphenyls
SIM = Selected ion monitoring

SVOCs = Semi-volatile organic compound
VOCs = Volatile organic compound
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
			4/6/2017	4/6/2017	10/24/2017	10/24/2017	4/4/2018	4/4/2018	10/24/2018	4/10/2019	4/10/2019	10/8/2019	5/13/2020	5/13/2020	
			No	Yes	No	No	No	Yes	No	No	Yes	No	No	Yes	
	N	N	N	Dup	N	N	N	N	N	N	N	N	N		
	MW-15	MW-15F	MW-15	Duplicate	MW-15	MW-15F	MW-15	MW-15	MW-15 F	MW-15	MW-15	MW-15	MW-15 F		
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	<1	-	<1	<1	<1	-	<1	<1	-	<1	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	<10	-	-	-	<10	-	-	<10	-	-	<1	
1,4-Dichlorobenzene	106-46-7	77	--	<10	-	-	-	<10	-	-	<10	-	-	<1	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	<25	-	<25	<25	<25	-	<25	<25	-	<25 J	<25	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	-	<10	<10	<10	-	<10	<10	-	<10	<10	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1221	11104-28-2	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1232	11141-16-5	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1242	53469-21-9	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1254	11097-69-1	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1260	11096-82-5	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Aroclor 1268	11100-14-4	--	--	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5	<1	<0.5	<0.5	
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	<1	-	<1	<1	<1	-	<1	<1	-	<1 J	<1	
Sulfotep	3689-24-5	6	7	<1.5	-	<1.5	<1.5	<1.5	-	<1.5	<1.5	-	<1.5	<0.5	
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-	
Mercury	7439-97-6	2	2	0.33	<0.2	-	-	0.2 J	<0.2 J	-	0.88 J	<0.2 J	-	<0.2	

- Notes:
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 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

H = Bias in sample result likely to be high	R = Rejected;
J = Estimated concentration	-- = not applicable;
L = Bias in sample result likely to be low	- = not analyzed.
 - Abbreviations:

Dup = Duplicate sample	SVOCs = Semi-volatile organic compound
N = Original sample	VOCs = Volatile organic compound
PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
SIM = Selected ion monitoring	RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring													
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			MW-15	MW-15	MW-15	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	
			10/22/2020	4/16/2021	4/16/2021	10/13/2021	4/6/2017	10/25/2017	4/4/2018	10/24/2018	4/10/2019	4/10/2019	10/8/2019	5/13/2020		
			No	No	Yes	No	No	No	No	No	No	Yes	No	No		
			N	N	N	N	N	N	N	N	N	N	N	N		
			MW-15	MW-15	MW-15F	MW-15	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16 F	MW-16	MW-16		
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-		
Chlorobenzene	108-90-7	102	--	<1	<1	-	<1	<1	<1	<1	<1	-	<1	<1		
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-		
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	-	<1	-	-	<10	-	<10	-	<10	-	-	<1	
1,4-Dichlorobenzene	106-46-7	77	--	-	<1	-	-	<10	-	<10	-	<10	-	-	<1	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	<25	<25	-	<25	56	68	53	57	51	-	<25	65	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	<10	-	<10	42	46	53	51	45	-	25	47	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	
Aroclor 1221	11104-28-2	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	
Aroclor 1232	11141-16-5	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.6	<0.5	
Aroclor 1242	53469-21-9	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	
Aroclor 1248	12672-29-6	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	
Aroclor 1254	11097-69-1	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	
Aroclor 1260	11096-82-5	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	
Aroclor 1268	11100-14-4	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.58	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1 R	<0.6	<0.5	
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	--	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	--	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	--	<1	<1	-	<1	<1.4	<1	<1	<1	<1.4	-	<1	<1
Sulfotep	3689-24-5	6	7	--	<1.5	<1.5	-	<1.5	<1.6	<1.5	<1.5	<1.5	<1.6	-	<1.5	<0.5
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	--	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese	7439-96-5	--	880	--	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	--	-	0.24	0.36	-	<0.2	-	<0.2 J	-	<0.2 J	<0.2 J	-	0.26

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 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:
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 - Abbreviations:
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 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring													
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			MW-16	MW-16	MW-16	MW-16	MW-16	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	
			5/13/2020	10/21/2020	4/15/2021	4/15/2021	10/12/2021	4/7/2017	4/7/2017	10/25/2017	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	
			Yes N	No N	No N	Yes N	No N	No N	No Dup	No N	No N	Yes N	No Dup	Yes Dup	Yes Dup	
			MW-16 F	MW-16	MW-16	MW-16F	MW-16	MW-20A	DUP-1-MW-20A	MW-20A	MW20A	MW20AF	Field Duplicate	Field Duplicate F		
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	<1	<1	-	<1	2.1	2.4	2.2	2.1	-	2.2	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	-	-	<1	-	-	<10	<10	-	<10	-	<10	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	<1	-	-	<10	<10	-	<10	-	<10	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	<10	-	-	<10	-	<10	-	
4-Nitrophenol	100-02-7	128	125	-	44 J	120	-	35	<25	<25	<25	<25	-	<25	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	32 J	87	-	52	59	61	51	64	-	55	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	<50	-	<50	-	<50	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	5.2 J	8.1 J	-	7	-	6.1	-	
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	--	<0.5	<0.87	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1221	11104-28-2	--	--	--	<0.5	<0.92	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1232	11141-16-5	--	--	--	<0.5	<1.2	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1242	53469-21-9	--	--	--	<0.5	<0.92	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1248	12672-29-6	--	--	--	<0.5	<1	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1254	11097-69-1	--	--	--	<0.5	<0.53	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1260	11096-82-5	--	--	--	<0.5	<0.58	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Aroclor 1268	11100-14-4	--	--	--	<0.5	<1.2	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	--	<0.5	<1.2	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<1
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	--	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	-	<1 J	<1 J	-	<1	<1	<1	<1	<1	<1	-	<1	-
Sulfotepp	3689-24-5	6	7	-	<1.5 J	<1.5 J	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	-	<1.5	-
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	<10	-
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	<0.2	-	0.21	<0.2	-	<0.2	<0.2	-	<0.2 J	-	<0.2 J	-	-

- Notes:
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 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
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TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	MW-20A
			10/25/2018	10/25/2018	4/10/2019	4/10/2019	4/10/2019	4/10/2019	10/9/2019	10/9/2019	5/13/2020	5/13/2020	5/13/2020	10/21/2020	10/21/2020
			No	No	No	Yes	No	No	No	No	No	Yes	No	No	No
			N	Dup	N	N	Dup	N	Dup	N	N	Dup	N	Dup	
			MW-20A	DUPLICATE	MW-20A	MW-20A F	Field Duplicate 1	MW-20A	Duplicate	MW-20A	MW-20A F	FIELD DUPLICATE 1	MW-20 A	Duplicate	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	<5	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	2.1	2	2.2	-	2.1	2.3	2.4	2.3	-	2	3.9	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	<10	-	<10	-	-	2 J	-	2.9 J	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	<10	-	<10	-	-	1.2 J	-	1.4 J	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	<10	-	<10	-	-	<10	-	<10	-	
4-Nitrophenol	100-02-7	128	125	<25	<25	<25	-	<25	<25	<25 J	<25	-	<25	<25 J	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	76	78	68	-	46	52	60 J	37	-	52	34 J	
Pentachlorophenol	87-86-5	1	1	-	-	<50	-	<50	-	-	<50	-	<50	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	<1 J	-	<1 J	-	-	8.5	-	11	-	
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<1 R	<0.59	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<1 R	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<1 R	<0.59	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	<1	<1	<1	-	<1	<1	<1	<1	-	<1	<1	
Sulfotepp	3689-24-5	6	7	<1.5	<1.5	<1.5	-	<1.5	<1.5	<1.5	<0.5	-	<0.5	<1.5	
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	<10	<10	<10	-	<10	<10	<10	<10	-	<10	<10	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-	
Mercury	7439-97-6	2	2	-	-	<0.2 J	-	<0.2 J	-	-	<0.2 J	-	<0.2 J	-	

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

H = Bias in sample result likely to be high	R = Rejected;
J = Estimated concentration	-- = not applicable;
L = Bias in sample result likely to be low	- = not analyzed.
 - Abbreviations:

Dup = Duplicate sample	SVOCs = Semi-volatile organic compound
N = Original sample	VOCs = Volatile organic compound
PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
SIM = Selected ion monitoring	RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			MW-20A	MW-20A	MW-20A	MW-20A	MW-20A	OW-06A	OW-06A	OW-06A	OW-06A	OW-06A	OW-06A	OW-08A	OW-08A
			4/16/2021	4/16/2021	4/16/2021	10/12/2021	10/12/2021	4/7/2017	4/8/2018	4/15/2019	5/18/2020	4/14/2021	4/6/2017	4/6/2017	
			No	Yes	No	No	No	No	No	No	No	No	No	No	Yes
	N	N	Dup	N	Dup	N	N	N	N	N	N	N	N	N	
	MW-20A	MW-20AF	Field Duplicate 1	MW-20A	Duplicate	OW-6A	OW-06A	OW-06A	OW-06A	OW-06A	OW-06A	OW-08A	OW-08AF		
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	2.1	-	2.1	2.1	2.1	<1	<1	<1	<1	<1	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	2.6 J	-	2.6 J	-	-	<10	<10	<10 J	<1	<1	<10	-
1,4-Dichlorobenzene	106-46-7	77	--	1.3 J	-	1.2 J	-	-	<10	<10	<10 J	<1	<1	<10	-
2,4,6-Trichlorophenol	88-06-2	47	13	<10	-	<10	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	<25	-	<25	<25	<25	<25	<25	<25 J	<25	<25	<25	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	<10	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	66	-	69	78 J	75 J	<10	<10	<10	<10	<10	<10	-
Pentachlorophenol	87-86-5	1	1	<50	-	<50	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	<1	-	<1	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.66	<0.5
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.26	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-
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Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	<1	-	<1	<1	<1 H	<1	<1	<1	<1	<1	<1	-
Sulfotep	3689-24-5	6	7	<1.5	-	<1.5	<1.5	<1.5 H	<1.5	<1.5	<1.5	<0.5	<1.5	<1.5	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	-
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	<10	-
Mercury	7439-97-6	2	2	<0.2	-	<0.2	-	-	<0.2	<0.2 J	<0.2 J	<0.2	<0.2	<0.2	-

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 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
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 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OW-08A	OW-08A	OW-08A	OW-08A	OW-08A	OW-08A	OW-08A	OW-08A	OW-08A	OW-08A	OW-15	OW-15	OW-15
			4/6/2017	4/4/2018	4/4/2018	4/10/2019	4/10/2019	5/15/2020	5/15/2020	4/15/2021	4/15/2021	4/15/2021	4/5/2017	4/5/2017	4/4/2018
			No	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Dup	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
OW-08A - DUP	OW-08A	OW-08A F	OW-08A	OW-08A F	OW-08A	OW-08A F	OW-08A	OW-08AF	OW-15	OW-15F	OW-15				
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	<1	-	<1	-	<1	-	<1	-	1.2	-	<1
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	<10	-	<10	-	<1	-	<1	-	<10	-	<10
1,4-Dichlorobenzene	106-46-7	77	--	-	<10	-	<10	-	<1	-	<1 J	-	<10	-	<10
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	<25	-	<25	-	<25	-	<8 J	-	<25	-	<25
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	<10	-	<10	-	<10	-	<10	-	<0.2	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	<10	-	<10	-	<10	-	<1	-	<10	-	<10
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	-	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	-	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5 J	3.6	<0.5	1.3
Aroclor 1232	11141-16-5	--	--	-	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	-	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	-	5.7	1.5	2	<1	5.7 J	<0.5	4.2	<0.5 J	1.1	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	-	3.3	1.4	1.6	<1	<0.5	<0.5	2.1	<0.5 J	0.87	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	-	0.71	<1	<0.5	<1	<0.5	<0.5	1.2	<0.5 J	<0.5	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	-	<0.5	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	-	9.71	2.9	3.6	<1	5.7 J	<0.5	7.5	<0.5 J	5.57	<0.5	1.3
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	<1	-	<1	-	<1	-	<1	-	<1	-	<1
Sulfotepp	3689-24-5	6	7	-	<1.5	-	<1.5	-	<0.5	-	<1.5	-	<1.5	-	<1.5
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	<10	-	<10	<10	<10	<10	<10	<10	<10	-	<10
Manganese	7439-96-5	--	880	-	<10	-	<10	<10	<10	<10	<10	<10	<10	-	-
Mercury	7439-97-6	2	2	-	<0.2 J	-	<0.2 J	<0.2 J	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2 J

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

3. Data Flags:

H = Bias in sample result likely to be high
 J = Estimated concentration
 L = Bias in sample result likely to be low

R = Rejected;
 -- = not applicable;
 - = not analyzed.

4. Abbreviations:

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SIM = Selected ion monitoring

SVOCs = Semi-volatile organic compound
 VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OW-15	OW-15	OW-15	OW-15	OW-15	OW-15	OW-15	OW-15	OW-15	OW-16A	OW-16A	OW-16A	OW-16A
			4/4/2018	4/10/2019	4/10/2019	5/13/2020	5/13/2020	4/16/2021	4/16/2021	4/5/2017	4/5/2017	4/5/2017	4/5/2017	4/4/2018	4/4/2018
			Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
			N	N	N	N	N	N	N	N	N	N	Dup	N	N
			OW-15 F	OW-15	OW-15 F	OW-15	OW-15 F	OW-15	OW-15F	OW-16A	OW-16AF	OW-16A - DUP	OW-16A	OW-16A F	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	420	-	430	480	-
Chlorobenzene	108-90-7	102	--	-	<1	-	<1	-	<1	-	0.62	-	-	1.2	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	<10 J	-	<1	-	2 J	-	<10	-	-	<10	-
1,4-Dichlorobenzene	106-46-7	77	--	-	<10 J	-	<1	-	<1	-	<10	-	-	<10	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	<25 J	-	<25	-	<25	-	54	-	-	<25	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	<10 J	-	<10	-	<10	-	<10	-	-	<10	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	<0.5 H	<0.5	-	<0.5	<1 J
Aroclor 1221	11104-28-2	--	--	--	<1 R	1.5	<1	2.3	<0.5	<0.5	85 JH	<0.5	-	98	<1 J
Aroclor 1232	11141-16-5	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	48 JH	<0.5	-	62	<1 J
Aroclor 1242	53469-21-9	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	<0.5 H	<0.5	-	<0.5	<1 J
Aroclor 1248	12672-29-6	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	<0.5 H	<0.5	-	<0.5	<1 J
Aroclor 1254	11097-69-1	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	15 JH	<0.5	-	22	<1 J
Aroclor 1260	11096-82-5	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	<0.5 H	<0.5	-	<0.5	<1 J
Aroclor 1268	11100-14-4	--	--	--	<1 R	<0.5	<1	<0.5	<0.5	<0.5	<0.5 H	<0.5	-	<0.58	<1 J
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	--	<1 R	1.5	<1	2.3	<0.5	<0.5	148 JH	<0.5	-	182	<1 J
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	--	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	<1	-	<1	-	<1	-	28	-	-	18	-
Sulfotepp	3689-24-5	6	7	-	<1.5	-	<0.5	-	<1.5	-	<1.5	-	-	<1.5	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	<10	<10	<10	<10	<10	<10	37	-	-	37	38
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	800	-	-	750	780
Mercury	7439-97-6	2	2	-	<0.2 J	<0.2 J	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	<0.2 J	-

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

H = Bias in sample result likely to be high	R = Rejected;
J = Estimated concentration	-- = not applicable;
L = Bias in sample result likely to be low	- = not analyzed.
 - Abbreviations:

Dup = Duplicate sample	SVOCs = Semi-volatile organic compound
N = Original sample	VOCs = Volatile organic compound
PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
SIM = Selected ion monitoring	RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

				RCRA Groundwater Detection Monitoring												
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OW-16A	OW-16A	OW-16A	OW-16A	OW-16A	OW-16A	OW-21A	OW-21A	OW-21A	OW-21A	OW-21A	OW-21A	OW-21A	OW-21A
			4/10/2019	4/10/2019	5/13/2020	5/13/2020	4/15/2021	4/15/2021	4/6/2017	4/6/2017	4/5/2018	4/5/2018	4/11/2019	4/11/2019	4/11/2019	
			No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
			N	N	N	N	N	N	N	N	N	N	N	N	N	N
			OW-16A	OW-16A F	OW-16A	OW-16A F	OW-16A	OW-16AF	OW-21A	OW-21AF	OW-21A	OW-21A F	OW-21A	OW-21A F		
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	490 J	-	350	-	350	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	<1	-	<1.3	-	<1.3	-	12	-	<5.2	-	<13	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	<10	-	1.7 J	-	2.4 J	-	22	-	17	-	<10	-	
1,4-Dichlorobenzene	106-46-7	77	--	<10	-	1.1 J	-	1.9 J	-	<10	-	<10	-	<10	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	<25	-	<25	-	<25	-	17000	-	11000	-	11000	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	<10	-	<10	-	<10	-	190	-	210	-	200	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	<0.5	<1 J	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1 R	<2.4 R	<0.5 R	
Aroclor 1221	11104-28-2	--	--	<0.5	<1 J	3.7	<0.5 J	83	1.8 J	35	<0.5	41	<1 R	<2.4 J	<0.5	
Aroclor 1232	11141-16-5	--	--	12	<1 J	<0.5	<0.5 J	<0.5	<0.5 J	44	<0.5	<0.5	<1 R	<2.4 J	<0.5	
Aroclor 1242	53469-21-9	--	--	<0.5	<1 J	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1 R	<2.4 J	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	<1 J	13	<0.5 J	29	<0.5 J	<0.5	<0.5	41	<1 R	<2.4 J	<0.5	
Aroclor 1254	11097-69-1	--	--	13	<1 J	8.3	<0.5 J	15	<0.5 J	6 J	<0.5	5	<1 R	<2.4 J	<0.5	
Aroclor 1260	11096-82-5	--	--	<0.5	<1 J	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1 R	<2.4 J	<0.5	
Aroclor 1268	11100-14-4	--	--	<0.5	<1 J	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1 R	<2.4 J	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	25	<1 J	25	<0.5 J	127	1.8 J	85 J	<0.5	87	<1 R	<2.4 J	<0.5	
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	15	-	23	-	9.3	-	3100	-	1500 J	-	2900	-	
Sulfotepp	3689-24-5	6	7	<1.5	-	<1.6	-	<1.5	-	<81	-	<32 J	-	<16	-	
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	37	40	41	41	40	40	38	-	34	32	32	31	
Manganese	7439-96-5	--	880	760	820	850	850	840	860	840	-	780	740	740	800	
Mercury	7439-97-6	2	2	<0.2 J	<0.2 J	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 J	-	<0.2 J	<0.2 J	

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

H = Bias in sample result likely to be high	R = Rejected;
J = Estimated concentration	-- = not applicable;
L = Bias in sample result likely to be low	- = not analyzed.
 - Abbreviations:

Dup = Duplicate sample	SVOCs = Semi-volatile organic compound
N = Original sample	VOCs = Volatile organic compound
PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
SIM = Selected ion monitoring	RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Groundwater Detection Monitoring												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OW-21A	OW-21A	OW-21A	OW-21A	OW-22	OW-22	OW-22	OW-22	OW-22	OW-22	OW-22	OW-22	
			5/16/2020	5/16/2020	4/15/2021	4/15/2021	4/7/2017	4/8/2017	4/8/2017	4/8/2017	4/5/2018	4/11/2019	4/11/2019	5/16/2020	
			No	Yes	No	Yes	Yes	No	Yes	No	Yes	No	Yes	No	
N	N	N	N	Dup	N	N	N	N	N	N	N	N			
OW-21A	OW-21A F	OW-21A	OW-21AF	DUP-1F-OW-22F	OW-22	OW-22F	OW-22	OW-22 F	OW-22	OW-22 F	OW-22	OW-22 F			
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	14	-	<13	-	-	<1	-	<1	-	<1 R	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	13	-	17 J	-	-	<10	-	<10	-	<10	-	
1,4-Dichlorobenzene	106-46-7	77	--	4 J	-	<5.3	-	-	<10	-	<10	-	<10	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	35000	-	18000	-	-	<25	-	<25	-	<25	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	310	-	270	-	-	<10	-	<10	-	<10	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.87	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Aroclor 1221	11104-28-2	--	--	<0.92	<0.5	15	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Aroclor 1232	11141-16-5	--	--	<1.2	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Aroclor 1242	53469-21-9	--	--	<0.92	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Aroclor 1248	12672-29-6	--	--	35	<0.5	40	<0.5	<0.5	<0.5 L	<0.5	1.5	<1	0.89	<1	
Aroclor 1254	11097-69-1	--	--	<0.53	<0.5	17	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Aroclor 1260	11096-82-5	--	--	<0.58	<0.5	1.8	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Aroclor 1268	11100-14-4	--	--	<1.2	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5	<1	<0.5	<1	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	35	<0.5	73.8	<0.5	<0.5	<0.5 L	<0.5	1.5	<1	0.89	<1	
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	4900 J	-	3300 J	-	-	<1	-	<1	-	<1	-	
Sulfotepp	3689-24-5	6	7	<160 J	-	<81 J	-	-	<1.5	-	<1.5	-	<1.5	-	
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	28	30	35	34	-	<10	-	<10	-	<10	<10	
Manganese	7439-96-5	--	880	700	760	880	820	-	-	-	-	-	-	-	
Mercury	7439-97-6	2	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2 J	-	<0.2 J	<0.2 J	

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

H = Bias in sample result likely to be high	R = Rejected;
J = Estimated concentration	-- = not applicable;
L = Bias in sample result likely to be low	- = not analyzed.
 - Abbreviations:

Dup = Duplicate sample	SVOCs = Semi-volatile organic compound
N = Original sample	VOCs = Volatile organic compound
PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
SIM = Selected ion monitoring	RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	RCRA Corrective Action Monitoring				CERCLA Remedial Action								
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OW-22	OW-22	OW-22	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	
			5/16/2020	4/17/2021	4/17/2021	4/11/2017	4/11/2017	4/10/2018	4/10/2018	4/10/2018	4/10/2018	4/12/2019	4/12/2019	4/12/2019	
			Yes N	No N	Yes N	No N	No Dup	No N	Yes N	No Dup	Yes Dup	No N	Yes N	No Dup	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	<1	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	4.9	5.2	<1	-	<1	-	3.3	-	3.8 J
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	<1	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	<10	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	<25	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	<10	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	--	<0.5	<0.5	<0.5	<0.5	-	<0.5	<1	<0.5 J	<1	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	--	<0.5	<0.5	<0.5	24	-	<0.5	10	<0.5 J	12	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	--	<0.5	<0.5	<0.5	<0.5	-	1.4	<1	1.2 J	<1	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	--	<0.5	<0.5	<0.5	<0.5	-	<0.5	<1	<0.5 J	<1	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	--	<0.5	1.6	<0.5	<0.5	-	<0.5	<1	<0.5 J	<1	0.67 J	<0.5
Aroclor 1254	11097-69-1	--	--	--	<0.5	<0.5	<0.5	<0.5	-	<0.5	<1	<0.5 J	<1	0.88 J	<0.5
Aroclor 1260	11096-82-5	--	--	--	<0.5	<0.5	<0.5	<0.5	-	<0.5	<1	<0.5 J	<1	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	--	<0.5	<0.5	<0.5	<0.5	-	<0.5	<1	<0.5 J	<1	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	--	<0.5	1.6	<0.5	24	-	1.4	10	1.2 J	12	1.55 J	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	--	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	--	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	--	<1 J	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	--	<1.5 J	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	--	-	-	-	<4	4.1	<4	6.3	<4	5.8	<4	<4
Cobalt	7440-48-4	694	73	--	<10	<10	<10	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	--	-	-	-	1600	1600	65	2000	67	2000	1400	860
Mercury	7439-97-6	2	2	--	<0.2	<0.2	<0.2	6.2 J	6.9	1 J	1.7 J	0.84 J	0.81 J	2.1 J	2.1 J

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 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:
 - H = Bias in sample result likely to be high
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 - Abbreviations:
 - Dup = Duplicate sample
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 - PCBs = Polychlorinated biphenyls
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 - SVOcs = Semi-volatile organic compound
 - VOCs = Volatile organic compound
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2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	CERCLA Remedial Action												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-03S	OW-03S
			4/12/2019	5/15/2020	5/15/2020	5/15/2020	5/15/2020	5/15/2020	4/17/2021	4/17/2021	4/17/2021	4/17/2021	4/17/2021	4/10/2017	4/9/2018
			Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No
			Dup	N	N	Dup	Dup	N	N	Dup	Dup	N	N	N	N
			Field Duplicate 4F	OW-10	OW-10 F	Field Duplicate 4	Field Duplicate 4 F	OW-10	OW-10 F	Field Duplicate 4	Field Duplicate 4 F	OW-3S	OW-03S	OW-03S	OW-03S
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	3.5 J	-	4.8 J	-	3.9	-	4	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5 R
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 L	<0.5	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	4 J	<4	<4	<4	<4	<4	<4 J	<4	4.5 J	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	710	1300	1300	1300	1200	1200	1300	1200	1300	-	-	-
Mercury	7439-97-6	2	2	2.5 J	5.1	4.4	4.7	3.8	3.6	4.1 J	4.1	6.4 J	-	-	-

Notes:

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- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

3. Data Flags:

H = Bias in sample result likely to be high
 J = Estimated concentration
 L = Bias in sample result likely to be low

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4. Abbreviations:

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SIM = Selected ion monitoring

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TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:				CERCLA Remedial Action											
				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
				OWR-03S	OWR-03S	OWR-11	OWR-11	OWR-11	OWR-11	OWR-11	OWR-11	OWR-11	OWR-11	OWR-11	OWR-11
				5/14/2020	4/15/2021	4/11/2017	4/10/2018	4/10/2018	4/16/2019	4/16/2019	5/15/2020	5/15/2020	4/19/2021	4/19/2021	4/19/2021
				No	No	No	No	Yes	No	Yes	No	Yes	No	Yes	No
				N	N	N	N	N	N	N	N	N	N	N	
				OWR-03S	OWR-3S	OWR-11	OWR-11	OWR-11F	OWR-11	OWR-11F	OWR-11	OWR-11 F	OWR-11	OWR-11 F	OWR-13
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5 J	<0.5	<0.5	<1	<0.5 R	<0.5 R	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5 J	94	190	<1	200	<0.5 J	180	<0.5	140	46	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5 J	96	190	2.9	150	<0.5 J	<0.5	<0.5	140	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5 J	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5 J	<0.5	<0.5	<1	<0.5	<0.5 J	<5	<0.5	<0.5	23	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5 J	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	16	<0.5	4.2
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5 J	<0.5	4.7	<1	1.8	<0.5 J	<0.5	<0.5	3.5	1.2	<0.5
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5 J	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5 J	190	384.7	2.9	351.8	<0.5 J	180	<0.5	299.5	70.2	4.2
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	<0.5
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	<0.1
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	<0.3
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	0.34 J
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	<0.1
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	<0.5
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	<0.3
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	2.5
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	7.1
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	0.65
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	10.59 J
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	170	170	160	170	170	160	150	150	-	-
Manganese	7439-96-5	--	880	-	-	3400	3500	3300	3200	3400	3200	3300	3200	3100	-
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

3. Data Flags:

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TABLE E
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2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	CERCLA Remedial Action													
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-13	OWR-14D	OWR-14D	OWR-14D
			4/10/2017	4/6/2018	4/6/2018	4/12/2019	4/12/2019	5/14/2020	5/14/2020	4/19/2021	4/19/2021	4/10/2017	4/6/2018	4/6/2018		
			No Dup	No N	Yes N	No N	Yes N	No N	Yes N	No N	Yes N	No N	Yes N	No N	No N	Yes N
DUP-01	OWR-13	OWR-13F	OWR-13	OWR-13 F	OWR-13	OWR-13 F	OWR-13	OWR-13 F	OWR-13	OWR-13 F	OWR-14D	OWR-14D	OWR-14D F			
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B																
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A																
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<1	<0.5 R	<0.5 R	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1	
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1	
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1	
Aroclor 1248	12672-29-6	--	--	<0.5	2.5	1.6	19	<0.5	<0.5	<0.5	8.5 J	<0.5	2	0.72	2.5	
Aroclor 1254	11097-69-1	--	--	4.1	7	5.6	9.3	<0.5	43	<0.5	5.5 J	<0.5	<0.5	<0.5	<1	
Aroclor 1260	11096-82-5	--	--	<0.5	2.4	1.3	<0.5	<0.5	5.4	<0.5	1.7 J	<0.5	<0.5	<0.5	<1	
Aroclor 1268	11100-14-4	--	--	<0.5	0.72	<1	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5	<1	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	4.1	12.62	8.5	28.3	<0.5	48.4	<0.5	15.7 J	<0.5	2	0.72	2.5	
PCBs, Homolog Specific by Method 680																
Decachlorobiphenyl	2051-24-3	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.48	<0.48	<0.5	<0.5	<0.5	<0.5	<0.5	
Dichlorobiphenyl	25512-42-9	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.095	<0.095	<0.1	<0.1	0.11	<0.1	<0.1	
Heptachlorobiphenyl	28655-71-2	--	--	<0.3	0.43	0.3	0.39	<0.3	2.6	<0.29	0.51	<0.3	<0.3	<0.3	<0.3	
Hexachlorobiphenyl	26601-64-9	--	--	0.23 J	0.8	0.58	0.98	<0.2	5.3	<0.19	0.7	<0.2	<0.2	<0.2	<0.2	
Monochlorobiphenyl	27323-18-8	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.095	<0.095	<0.1	<0.1	<0.1	<0.1	<0.1	
Nonachlorobiphenyl	53742-07-7	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	0.51	<0.48	<0.5	<0.5	<0.5	<0.5	<0.5	
Octachlorobiphenyl	55722-26-4	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	<0.3	<0.3	<0.3	<0.3	<0.3	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	1.3	<0.29	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	2.1	4.9	3.5	6.1	<0.2	21	<0.19	4.5	0.39	<0.2	<0.2	0.34	
Tetrachlorobiphenyl	26914-33-0	--	--	7	9.5	7.5	11	<0.2	27	<0.19	6.3	0.59	0.75	0.84	1.3	
Trichlorobiphenyl	25323-68-6	--	--	0.48	0.54	0.44	0.44	<0.1	0.81	<0.095	0.3	<0.1	0.42	0.31	0.44	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	9.81 J	16.17	12.32	18.91	<0.5	58.52	<0.48	12.31	0.98	1.28	1.15	2.08	
Pesticides by Methods 8141B and 8270D																
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfotep	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-	
Metals by Methods 6010C and 7470A																
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	46	36	<10	
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	

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			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D	OWR-14D
			4/6/2018	4/12/2019	4/12/2019	4/12/2019	4/12/2019	4/12/2019	5/15/2020	5/15/2020	5/15/2020	5/15/2020	4/19/2021	4/19/2021	4/19/2021
			No	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No
			Dup	N	N	Dup	Dup	N	N	Dup	Dup	N	N	N	Dup
			Field Duplicate 2	OWR-14D	OWR-14D F	Field Duplicate 2	Field Duplicate 2F	OWR-14D	OWR-14D F	FIELD DUPLICATE 2	Field Duplicate 2 F	OWR-14D	OWR-14D F	Field Duplicate 2	
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5 R	<0.5 R	<0.5 R	<0.5 R	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	1.7	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	4 J	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4 J	<0.5	<0.5	<0.5	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.48	<0.48	<0.49	<0.48	<0.5	<0.5	<0.5
Dichlorobiphenyl	25512-42-9	--	--	<0.1	0.1	<0.1	0.11	<0.1	<0.096	<0.095	<0.097	<0.095	<0.1	<0.1	<0.1
Heptachlorobiphenyl	28655-71-2	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	<0.29	<0.29	<0.29	<0.29	<0.3	<0.3	<0.3
Hexachlorobiphenyl	26601-64-9	--	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.19	<0.19	<0.19	<0.19	<0.2	<0.2	<0.2
Monochlorobiphenyl	27323-18-8	--	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.096	<0.095	<0.097	<0.095	<0.1	<0.1	<0.1
Nonachlorobiphenyl	53742-07-7	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.48	<0.48	<0.49	<0.48	<0.5	<0.5	<0.5
Octachlorobiphenyl	55722-26-4	--	--	<0.3	<0.3	<0.3	<0.3	<0.3	-	-	-	-	<0.3	<0.3	<0.3
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	<0.29	<0.29	<0.29	<0.29	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	0.27	<0.2	<0.2	<0.2	<0.2	0.29	<0.19	0.29	<0.19	<0.2	<0.2	<0.2
Tetrachlorobiphenyl	26914-33-0	--	--	1.2	0.54	<0.2	0.46	<0.2	0.68	<0.19	0.81	<0.19	0.29	<0.2	0.22
Trichlorobiphenyl	25323-68-6	--	--	0.4	0.3	<0.1	0.28	<0.1	0.73	<0.095	0.87	<0.095	0.19	<0.1 J	0.15
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	1.87	0.94	<0.5	0.85	<0.5	1.7	<0.48	1.97	<0.48	0.48	<0.5	0.37
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	42	210	<10	200	<10	25	<10	28	<10	16	<10 J	17
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

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- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

3. Data Flags:

H = Bias in sample result likely to be high
 J = Estimated concentration
 L = Bias in sample result likely to be low

R = Rejected;
 -- = not applicable;
 - = not analyzed.

4. Abbreviations:

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SIM = Selected ion monitoring

SVOCs = Semi-volatile organic compound
 VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	CASNo.	µg/L	µg/L	CERCLA Remedial Action											
				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
				OWR-14D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D	OWR-15D
				4/19/2021	4/10/2017	4/10/2018	4/10/2018	4/16/2019	4/16/2019	5/15/2020	5/15/2020	4/19/2021	4/19/2021	4/19/2021	4/19/2021
				Yes	No	No	Yes	No	Yes	No	Yes	No	Yes	No	No
				Dup	N	N	N	N	N	N	N	N	N	N	N
				Field Duplicate 2 F	OWR-15D	OWR-15D	OWR-15D F	OWR-15D	OWR-15DF	OWR-15D	OWR-15D F	OWR-15 D	OWR-15 DF	T-04	T-04
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<1	<0.5 R	<0.5 R	<0.5	<0.5	<0.5	<0.5	<0.5	<0.88
Aroclor 1221	11104-28-2	--	--	<0.5	36	49	34	39	<0.5 J	38	<0.5	20	6.4	2.6	<0.93
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<1	16	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<1.2
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.93
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<1
Aroclor 1254	11097-69-1	--	--	<0.5	1.1	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	13	16
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.59
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<1.2
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	37.1	49	34	55	<0.5 J	38	<0.5	20	6.4	15.6	16
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	<0.5	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	<0.1	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	<0.3	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	<0.2	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	<0.1	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	<0.5	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	<0.3	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	<0.2	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	<0.2	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	0.1 J	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	0.1 J	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	22 J	-	-	-	-	-	-	-	-	-	220	190
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	-

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

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J = Estimated concentration	-- = not applicable;
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 - Abbreviations:

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PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
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TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	CERCLA Remedial Action												
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			T-04	T-04	T-04	T-04	T-04	T-04	T-04	T-04	T-04	T-06	T-06	T-06	T-06
			4/9/2018	4/13/2019	4/13/2019	5/16/2020	5/16/2020	4/17/2021	4/17/2021	4/10/2017	4/16/2018	4/16/2018	4/15/2019	4/15/2019	4/15/2019
			Yes	No	Yes	No	Yes	No	Yes	No	No	No	Yes	No	Yes
			N	N	N	N	N	N	N	N	N	N	N	N	N
			T-04F	T-04	T-04F	T-04	T-04F	T-04	T-04 F	T-6	T-06	T-06 F	T-06	T-06F	T-06F
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<1	<0.5 J	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	<1	<0.5 J	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	0.63	<0.5	<1	<0.5
Aroclor 1232	11141-16-5	--	--	<1	<0.5 J	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.7	3.8	<0.5
Aroclor 1242	53469-21-9	--	--	<1	<0.5 J	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<1	39 J	<0.5 J	<0.5	<0.5	46	17	<0.5	<0.5	<1	1.9	<0.5
Aroclor 1254	11097-69-1	--	--	6.8	12 J	<0.5 J	13	<0.5	12	5.3	<0.5	<0.5	<1	0.83	<0.5
Aroclor 1260	11096-82-5	--	--	<1	<0.5 J	<0.5 J	<0.5	<0.5	0.75	<0.5	<0.5	<0.5	<1	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	<1	<0.5 J	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	6.8	51 J	<0.5 J	13	<0.5	58.75	22.3	0.63	6.7	3.8	2.73	<0.5
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	100	140	100	160	92	180	190	-	-	-	-	-
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	-

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
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H = Bias in sample result likely to be high	R = Rejected;
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Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	CERCLA Remedial Action											
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			T-06	T-06	T-06	T-06	T-09	T-09	T-09	T-09	T-09	T-09	T-09	T-09
			5/14/2020	5/14/2020	4/19/2021	4/19/2021	4/9/2017	4/9/2017	4/9/2018	4/9/2018	4/13/2019	4/13/2019	4/13/2019	5/16/2020
			No N	Yes N	No N	Yes N	No N	Dup	No N	Dup	No N	Yes N	No Dup	No N
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOCs by Method 8260B														
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM														
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	100-02-7	128	125	-	-	-	<25	<25	<25	<25	<25	-	<25	<25
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-
PCBs, Aroclor Specific by Method 8081B/8082A														
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1248	12672-29-6	--	--	3.1	<0.5	1.9	<0.5	<0.5	-	<0.5	<0.5	2.7	<0.5	3 J
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	0.54	0.69	0.73	<0.5	0.7 J
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5 J
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5 J
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	3.1	<0.5	1.9	<0.5	<0.5	-	0.54	0.69	3.43	<0.5	3.7 J
PCBs, Homolog Specific by Method 680														
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D														
Parathion	56-38-2	75	85	-	-	-	-	<1	<1	<1	<1	<1	-	<1
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A														
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-

Notes:

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- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

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 PCBs = Polychlorinated biphenyls
 SIM = Selected ion monitoring

SVOCs = Semi-volatile organic compound
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TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:				CERCLA Remedial Action											
				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
				T-09	T-09	T-09	T-09	T-09	T-10	T-10	T-10	T-10	T-10	T-10	T-18
				5/16/2020	5/16/2020	4/17/2021	4/17/2021	4/17/2021	4/9/2017	4/9/2018	4/13/2019	5/16/2020	4/14/2021	4/10/2017	4/10/2018
				Yes	No	No	Yes	No	No	No	No	No	No	No	No
	N	Dup	N	N	Dup	N	N	N	N	N	N	N			
	T-09F	FIELD DUPLICATE 3	T-09	T-09 F	Field Duplicate 3	T-10	T-10	T-10	T-10	T-10	T-18	T-18			
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	<25	<25	-	<25	<25	<25	<25 J	<25	<25	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	11	
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5 J	2.9	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Aroclor 1254	11097-69-1	--	--	<0.5	0.59 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 J	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	0.59 J	2.9	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	<0.5 J	11	
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	<1.3	<0.5	
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	19	25	
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	<0.58	<0.3	
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	<0.29	<0.2	
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	81	94	
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	<0.94	<0.5	
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	<0.73	<0.3	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	<0.27	<0.2	
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	<0.25	<0.2	
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	0.7	1.1	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	100.7	120.1	
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	<1	<1 J	-	<1 J	<1	<1	<1	<1	<1	-	
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	-	-	-	-	-	
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-	-	

Notes:

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- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

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H = Bias in sample result likely to be high
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TABLE E
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2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

				CERCLA Remedial Action											
Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
			T-18	T-18	T-18	T-18	T-18	T-18	T-18	T-18	T-20	T-20	T-20	T-20	
			4/10/2018	4/15/2019	4/15/2019	5/14/2020	5/14/2020	4/19/2021	4/19/2021	4/9/2017	4/8/2018	4/8/2018	4/13/2019	4/13/2019	
			Yes	No	Yes	No	Yes	No	Yes	No	No	Yes	No	Yes	
			N	N	N	N	N	N	N	N	N	N	N	N	
T-18F	T-18	T-18F	T-18	T-18 F	T-18	T-18 F	T-20	T-20	T-20 F	T-20	T-20F				
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B															
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM															
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A															
Aroclor 1016	12674-11-2	--	--	<1	<0.5 R	<0.5 R	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Aroclor 1221	11104-28-2	--	--	15	23 J	<0.5 J	31	<0.5	25 J	10	<0.5	<0.5 J	-	<0.5	
Aroclor 1232	11141-16-5	--	--	<1	<0.5 R	<0.5 J	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Aroclor 1242	53469-21-9	--	--	<1	<0.5 R	<0.5 J	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Aroclor 1248	12672-29-6	--	--	<1	<0.5 R	<0.5 J	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Aroclor 1254	11097-69-1	--	--	<1	<0.5 R	<0.5 J	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Aroclor 1260	11096-82-5	--	--	<1	<0.5 R	<0.5 J	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Aroclor 1268	11100-14-4	--	--	<1	<0.5 R	<0.5 J	<0.5	<0.5	<0.5 J	<0.5	<0.5	<0.5 J	-	<0.5	
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	15	23 J	<0.5 J	31	<0.5	25 J	10	<0.5	<0.5 J	-	<0.5	
PCBs, Homolog Specific by Method 680															
Decachlorobiphenyl	2051-24-3	--	--	<0.5	<0.5	<0.5	<0.48	<0.49	<0.5	<0.5	-	-	-	-	
Dichlorobiphenyl	25512-42-9	--	--	14	26	<0.1	23	<0.097	18	1.7	-	-	-	-	
Heptachlorobiphenyl	28655-71-2	--	--	<0.3	<0.3	<0.3	<0.29	<0.29	<0.3	<0.3	-	-	-	-	
Hexachlorobiphenyl	26601-64-9	--	--	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.2	-	-	-	-	
Monochlorobiphenyl	27323-18-8	--	--	47	98	0.11	67	<0.097	60	25	-	-	-	-	
Nonachlorobiphenyl	53742-07-7	--	--	<0.5	<0.5	<0.5	<0.48	<0.49	<0.5	<0.5	-	-	-	-	
Octachlorobiphenyl	55722-26-4	--	--	<0.3	<0.3	<0.3	-	-	<0.3	<0.3	-	-	-	-	
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	<0.29	<0.29	-	-	-	-	-	-	
Pentachlorobiphenyl	25429-29-2	--	--	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.2	-	-	-	-	
Tetrachlorobiphenyl	26914-33-0	--	--	<0.2	<0.2	<0.2	<0.19	<0.19	<0.2	<0.2	-	-	-	-	
Trichlorobiphenyl	25323-68-6	--	--	0.65	1.4	<0.1	1.4	<0.097	0.73	0.42	-	-	-	-	
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	61.65	125.4	0.11	91.4	<0.49	78.73	27.12	-	-	-	-	
Pesticides by Methods 8141B and 8270D															
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	
Sulfotep	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	
Metals by Methods 6010C and 7470A															
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	
Manganese	7439-96-5	--	880	-	-	-	-	-	-	3700	3500	3300	3600	3800	
Mercury	7439-97-6	2	2	-	-	-	-	-	-	<0.2	<0.2 J	-	<0.2	-	

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.

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Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:				CERCLA Remedial Action													
				RCRA Concentration Limits	CERCLA Remediation Goals	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
						T-20	T-20	T-20	T-20	WEL-01	WEL-01	WEL-01	WEL-01	WEL-01	WEL-01	WEL-01	WEL-01
						5/15/2020	5/15/2020	4/17/2021	4/17/2021	4/9/2017	4/6/2018	4/6/2018	4/13/2019	4/13/2019	5/15/2020	5/15/2020	4/20/2021
						No	Yes	No	Yes	No	No	Yes	No	Yes	No	Yes	No
N	N	N	N	N	N	N	N	N	N	N	N	N					
T-20	T-20F	T-20	T-20 F	Wel-1	WEL-01	WEL-01 F	WEL-01	WEL-01F	WEL-01	WEL-01 F	WEL-01						
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
VOCs by Method 8260B																	
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	-	-			
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	-	-			
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	-	-			
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM																	
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	-	-			
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	-	-			
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	-	-			
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	-	-			
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	-	-			
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	-	-			
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-			
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	-	-			
PCBs, Aroclor Specific by Method 8081B/8082A																	
Aroclor 1016	12674-11-2	--	--	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Aroclor 1221	11104-28-2	--	--	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Aroclor 1232	11141-16-5	--	--	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Aroclor 1242	53469-21-9	--	--	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Aroclor 1248	12672-29-6	--	--	1.1	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Aroclor 1254	11097-69-1	--	--	<0.5	-	<0.5	<0.5	0.51	<0.5	<1	<0.5	<0.5 J	0.62	<0.5	<0.5		
Aroclor 1260	11096-82-5	--	--	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Aroclor 1268	11100-14-4	--	--	<0.5	-	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5 J	<0.5	<0.5	<0.5		
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	1.1	-	<0.5	<0.5	0.51	<0.5	<1	<0.5	<0.5 J	0.62	<0.5	<0.5		
PCBs, Homolog Specific by Method 680																	
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-	-	-		
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-	-	-		
Pesticides by Methods 8141B and 8270D																	
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-	-	-		
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-	-	-		
Metals by Methods 6010C and 7470A																	
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-	-	-		
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-	-	-		
Manganese	7439-96-5	--	880	2900	2700	2600	2500	21	270	44	21	16	21	14	12		
Mercury	7439-97-6	2	2	<0.2	-	<0.2	-	-	-	-	-	-	-	-	-		

Notes:

- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
- 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
- Data Flags:

H = Bias in sample result likely to be high
 J = Estimated concentration
 L = Bias in sample result likely to be low

R = Rejected;
 -- = not applicable;
 - = not analyzed.

4. Abbreviations:

Dup = Duplicate sample
 N = Original sample
 PCBs = Polychlorinated biphenyls
 SIM = Selected ion monitoring

SVOCs = Semi-volatile organic compound
 VOCs = Volatile organic compound
 CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
 RCRA = Resource Conservation and Recovery Act

TABLE E
HISTORICAL ANALYTICAL TEST RESULTS IN GROUNDWATER
2017-2021

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Matrix: Location ID: Sample Date: Filtered: Sample Type: Sample ID:	RCRA Concentration Limits	CERCLA Remediation Goals	CERCLA Remedial Action										
			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			WEL-01	WEL-04	WEL-04	WEL-04	WEL-04	WEL-04	WEL-04	WEL-04	WEL-04	WEL-04	WEL-04
			4/20/2021	4/11/2017	4/9/2018	4/9/2018	4/15/2019	4/15/2019	5/14/2020	5/14/2020	4/20/2021	4/20/2021	
			Yes	No	No	Yes	No	Yes	No	Yes	No	Yes	
N	N	N	N	N	N	N	N	N	N	N			
WEL-01 F	Wel-04	WEL-04	WEL-04 F	WEL-04	WEL-04F	WEL-04	WEL-04 F	WEL-04	WEL-04 F	WEL-04			
Analyte	CASNo.	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
VOCs by Method 8260B													
1,2,4-Trichlorobenzene	120-82-1	--	70	-	-	-	-	-	-	-	-	-	
Chlorobenzene	108-90-7	102	--	-	-	-	-	-	-	-	-	-	
Trichloroethylene	79-01-6	--	5	-	-	-	-	-	-	-	-	-	
SVOCs by Methods 8260B, 8270D, 8270 SIM, and 8270D SIM													
1,2-Dichlorobenzene	95-50-1	612	--	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	106-46-7	77	--	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	88-06-2	47	13	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	100-02-7	128	125	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	193-39-5	--	0.2	-	-	-	-	-	-	-	-	-	
O,O,O-Triethylphosphorothioate	126-68-1	102	310	-	-	-	-	-	-	-	-	-	
Pentachlorophenol	87-86-5	1	1	-	-	-	-	-	-	-	-	-	
Pentachlorophenol, 8270 SIM	87-86-5	1	1	-	-	-	-	-	-	-	-	-	
PCBs, Aroclor Specific by Method 8081B/8082A													
Aroclor 1016	12674-11-2	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5 R	<0.5 R	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	11104-28-2	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	11141-16-5	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	53469-21-9	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	12672-29-6	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	11097-69-1	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	11096-82-5	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1268	11100-14-4	--	--	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs, Aroclor Specific	1336-36-3	0.5	0.5	<0.5	<0.5 L	<0.5 J	<1 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PCBs, Homolog Specific by Method 680													
Decachlorobiphenyl	2051-24-3	--	--	-	-	-	-	-	-	-	-	-	-
Dichlorobiphenyl	25512-42-9	--	--	-	-	-	-	-	-	-	-	-	-
Heptachlorobiphenyl	28655-71-2	--	--	-	-	-	-	-	-	-	-	-	-
Hexachlorobiphenyl	26601-64-9	--	--	-	-	-	-	-	-	-	-	-	-
Monochlorobiphenyl	27323-18-8	--	--	-	-	-	-	-	-	-	-	-	-
Nonachlorobiphenyl	53742-07-7	--	--	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyl	55722-26-4	--	--	-	-	-	-	-	-	-	-	-	-
Octachlorobiphenyls	31472-83-0	--	--	-	-	-	-	-	-	-	-	-	-
Pentachlorobiphenyl	25429-29-2	--	--	-	-	-	-	-	-	-	-	-	-
Tetrachlorobiphenyl	26914-33-0	--	--	-	-	-	-	-	-	-	-	-	-
Trichlorobiphenyl	25323-68-6	--	--	-	-	-	-	-	-	-	-	-	-
Total PCBs, Homolog Specific	1336-36-3	0.5	0.5	-	-	-	-	-	-	-	-	-	-
Pesticides by Methods 8141B and 8270D													
Parathion	56-38-2	75	85	-	-	-	-	-	-	-	-	-	-
Sulfotepp	3689-24-5	6	7	-	-	-	-	-	-	-	-	-	-
Metals by Methods 6010C and 7470A													
Beryllium	7440-41-7	--	4	-	-	-	-	-	-	-	-	-	-
Cobalt	7440-48-4	694	73	-	-	-	-	-	-	-	-	-	-
Manganese	7439-96-5	--	880	10	81	62	38	86	60	88	57	60	36
Mercury	7439-97-6	2	2	-	-	-	-	-	-	-	-	-	-

- Notes:
- Concentrations exceeding the applicable regulatory limits or goals are highlighted in yellow.
 - 1,2,4-Trichlorobenzene in well OW-16A and Indeno (1,2,3-cd) pyrene in well OW-08A are required for CERCLA. Concentrations compared to CERCLA Remediation Goals.
 - Data Flags:

H = Bias in sample result likely to be high	R = Rejected;
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 - Abbreviations:

Dup = Duplicate sample	SVOCs = Semi-volatile organic compound
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PCBs = Polychlorinated biphenyls	CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act
SIM = Selected ion monitoring	RCRA = Resource Conservation and Recovery Act

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX F: DATA VALIDATION

APPENDIX F DATA VALIDATION

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

1.0 EXECUTIVE SUMMARY

1.1 Results of Data Validation

This data validation report provides the results of an evaluation of data from nine data packages issued by TestAmerica Laboratories, Inc. (TestAmerica), located in Savannah, Georgia. The data packages report the analyses of groundwater samples collected in April and October 2021 at the Solutia Inc. facility located in Anniston, Alabama.

As further detailed in this data validation report, review of the analytical data received from the laboratory have verified that the data are suitable for the intended purpose of i) verifying that a release to groundwater from WMA I has not occurred; ii) monitoring concentrations of constituents of concern (COCs) in groundwater; and iii) evaluating the effectiveness of corrective action efforts being implemented at WMA II, SWMU 1, the well OW-21A Corrective Action Area, and the OW-10 Corrective Action Area.

1.2 Summary of Groundwater Sampling Program

The 2021 groundwater sampling program at the Solutia Anniston facility included collection and analysis of a total of 63 samples in April and 11 samples in October, including field duplicates and blanks (see Table F.1 for a listing of sample identifications cross-referenced to laboratory identifications). Samples were analyzed for one or more of the following COCs:

- Volatile Organic Compounds (VOCs) by SW-846 Method 8260B
- Semi-volatile Organic Compounds (SVOCs) by SW-846 Method 8270D
- Pentachlorophenol by SW-846 8270D SIM
- Organochlorine Pesticides and Polychlorinated Biphenyls by SW-846 Method 8081B/8082A
- Polychlorinated Biphenyls (PCB homologs) by EPA Method 680
- Organophosphorous Pesticides by SW-846 Method 8141B
- Metals (i.e., cobalt, beryllium, and/or manganese) by SW-846 Method 6010C
- Mercury by SW-846 Method 7470A

1.3 Analytical Results

Detected analytes (i.e., reported greater than the laboratory reporting limit) for the April and October 2021 sampling events are summarized in Table 5 in the main body of this Annual Groundwater Monitoring Report. Historical results for groundwater sampling for the last five years (i.e., 2017 to 2021) are provided in Appendix E. Data acquired during 2021 included in Table 5 and Appendix E have been qualified as described in this data validation report. Complete laboratory reports are provided in Appendix H.

2.0 DATA VALIDATION PROCEDURES

2.1 Basis for Data Validation

The data validation and review detailed in this appendix has been conducted in accordance with applicable project and site-specific documents for the Solutia Anniston facility, as follows:

1. "Attachment 6.2: Quality Assurance Project Plan," in *RCRA Post-Closure Permit Renewal Application ALD 004 019 048*, Revision 1 (Solutia, Inc., 2018).
2. "OU-3 Performance Standards Verification Sampling and Analysis/Quality Assurance Project Plan" (PSVP; Solutia, 2015a).

For simplicity, these documents will be referred to as the Sampling and Analysis Plan (SAP) in this appendix.

2.2 Data Quality Objectives

Analytical data have been evaluated with respect to data quality objectives (DQOs) specified in the SAP for representativeness, comparability, precision, accuracy, and completeness. Quality assurance/quality control (QA/QC) requirements for blanks, spikes, and duplicates (including matrix spikes/matrix spike duplicates; MS/MSDs), and calibrations are also provided in the SAP.

- **Representativeness** has been evaluated by verifying that groundwater samples have been collected from the locations specified in the SAP.
- **Comparability** has been evaluated by ensuring that standard sample collection, handling, and analytical procedures have been employed. The scope of this data quality analysis has involved review of the following:
 1. Completeness of laboratory data packages
 2. Chain-of-custody control and sample handling
 3. Holding times for sample preparation, extraction, and analysis
 4. Analytical methods used for sample analysis
- **Accuracy** has been evaluated by comparing the project-specific values for the recovery of spiked compounds, expressed as percent recovery, in applicable laboratory control samples, matrix spikes, surrogate spikes, and other spiked samples.
- **Precision** has been evaluated by comparing the project-specified relative percent difference (RPD) values to those calculated for duplicate samples, including laboratory control samples, matrix spike duplicates and field duplicates.

Matrix spike and duplicate results are meaningful when the matrix is obtained from the site being sampled. Therefore, only those QC issues noted for MS/MSD

pairs prepared in the laboratory from samples collected from the Solutia site are discussed in this report.

- **Completeness** has been calculated as the percentage of total number of analytes that have met applicable DQO criteria with respect to the total number of analytes specified to be collected.

3.0 RESULTS OF DATA VALIDATION

3.1 Representativeness

- **Evaluation:** Samples specified by the SAP were collected at designated monitoring well locations in April and October 2021. Sampling locations were specified in the SAP as being representative of the groundwater conditions at each location; therefore, the criterion of representativeness has been satisfied.
- **Findings:** No data have been qualified on the basis of unrepresentative samples.

3.2 Comparability

3.2.1 Laboratory Data Packages

- **Evaluation:** The nine data packages for the project are complete, providing results for the samples provided and analyzing the samples for the COCs specified on the chain-of-custody forms.
- **Findings:** No data have been qualified on the basis of insufficiencies in the laboratory data packages.

3.2.2 Chain-of-Custody Control and Sample Handling

- **Evaluation:**
 - i. Chain-of-Custody: Samples were evaluated for agreement with the chain-of-custody by the laboratory upon receipt. The paperwork was filled out properly, with a few minor exceptions, none of which warranted qualification of the results:
 - a. One chain-of-custody inadvertently left off sample times for some samples. The sample times are indicated on the respective data evaluation checklist.
 - b. Two chain-of-custodies inadvertently left off sample types. The sample types are indicated on the respective data evaluation checklists.
 - ii. Sample Condition: Samples were received by the laboratory in good condition, having been collected in appropriate containers and preserved in the field, if applicable.

- iii. Sample Temperatures: Sample receipt temperatures were within the acceptable criterion of 4°C +/- 2°C, with the exception of 10 coolers (out of 31 total) from the April event and 3 coolers (out of 10 total) from the October event that were less than 2°C. These samples were not frozen and were identified by the lab as being properly preserved. Therefore, the marginal exceedance of the temperature criterion would not result in a compromise to data quality.
- iv. Field Filtration: Samples were filtered in the field as specified in the SAP.
- v. Field Performance: Appropriate field performance was met.
- **Findings:** No samples were qualified on the basis of the chain-of-custody, sample condition, sample temperatures, field filtration, or field performance.

3.2.3 Holding Times for Sample Preparation, Extraction, and Analysis

- **Evaluation:** Samples for all chemicals of concern (COCs) were prepared and analyzed within the holding times specified in SW-846, except for the sample pretreatment for 8141B in samples OW-22, T-09, and Field Duplicate 3 collected in April 2021; sample pretreatment for 8270D LL (1,4-DCB and 4-Nitrophenol only) in sample OW-08A collected in April 2021; and sample analysis for 8260B in sample MW-15 collected in October 2021.
- **Findings:** Non-detect results for 8141B for samples OW-22, T-09, and Field Duplicate 3 collected in April 2021; for 8270D LL (1,4-DCB and 4-Nitrophenol only) for sample OW-08A collected in April 2021; and for 8260B for sample MW-15 collected in October 2021 are qualified (UJ) due to exceedances of holding time.

3.2.4 Analytical Methods Used for Sample Analysis

- **Evaluation:** Methods specified in the Sampling and Analysis Plan as listed on the chain-of-custody forms were employed to analyze the samples collected in April and October 2021. However, the requested reporting limits for analysis of 1,2-Dichlorobenzene (1,2-DCB) and 1,4-Dichlorobenzene (1,4-DCB) by 8270D were more than the lab's method detection limit (MDL) but less than the lab's practical quantitation limit (PQL) for these analytes.
- **Findings:** Detections of 1,2-DCB and 1,4-DCB between the lab's MDL and PQL in samples MW-20A, Field Duplicate 1 (MW-20A), OW-15, OW-16A, and OW-21A collected in April 2021 have been qualified as estimated (J).

3.3 Accuracy

3.3.1 Blanks

- **Evaluation:** No analytes were detected in field blank samples or laboratory method blank samples.
- **Findings:** No data have been qualified on the basis of detections of COCs in blank samples.

3.3.2 Sample Dilutions

- **Evaluation:** Certain samples required dilution to bring the sample concentration within the instrument calibration range or due to evidence of matrix interference. Consequently, as specified by relevant methods, reporting limits were elevated proportional to the dilution.
- **Findings:** No data have been qualified on the basis of dilutions.

3.3.3 Surrogate Recoveries

3.3.3.1 Volatile Organic Compounds

- **Evaluation:** Surrogate recoveries for VOC analyses for all samples met project specific DQOs.
- **Findings:** No data were qualified on the basis of surrogate recoveries for VOC analyses.

3.3.3.2 Semi-Volatile Organic Compounds

- **Evaluation:** Surrogate recoveries for SVOC analyses for all samples met project specific DQOs.
- **Findings:** No data were qualified on the basis of surrogate recoveries for SVOC analyses.

3.3.3.3 PCBs

- **Evaluation:** Surrogate recoveries of decachlorobiphenyl (DCB) were less than project DQOs, but greater than or equal to 10%, for the analysis of polychlorinated biphenyls for samples OW-16A F, OW-08A F, Purge Water, T-18, OWR-13, T-10, and OWR-3S collected in April 2021, and for MW-16, MW-01B, and MW-12A collected in October 2021.
- **Findings:** For PCB analytes in samples OW-16A F, OW-08A F, Purge Water, T-18, OWR-13, T-10, and OWR-3S collected in April 2021, and MW-16, MW-01B, and MW-12A collected in October 2021, detected results were qualified as

estimated (J) and results reported as less than the reporting limit were qualified as estimated (UJ).

3.3.3.4 *Organochlorine Pesticides*

- **Evaluation:** Surrogate recoveries of Triphenylphosphate (TPP) were less than the project DQOs for the Organochlorine Pesticides analysis of the samples collected in April 2021 from wells MW-16 and OW-21A.
- **Findings:** For organochlorine pesticide analytes in samples MW-16 and OW-21A collected in April 2021, detected results were qualified as estimated (J) and results reported as less than the reporting limit were qualified as estimated (UJ) in accordance with the National Functional Guidelines for Organic Superfund Methods Data Review (EPA, 2017).

3.3.4 Laboratory Standards

3.3.4.1 *Semi-Volatile Organic Compounds*

- **Evaluation:** Internal standard (ISTD) recoveries were high in samples MW-20A and Field Duplicate 1 (MW-20A) collected in April 2021 for the 8270D SIM analyses because they were added to the login after the extracts had already been spiked.
- **Findings:** Corrected ISTD concentrations were accounted for and final results were calculated correctly, so no data were qualified on the basis of SVOC laboratory standards.

3.3.4.2 *Organochlorine Pesticides*

- **Evaluation:** Internal standard (ISTD) recoveries exceeded control limits in samples MW-20A and Field Duplicate 1 (MW-20A) for 8141B in one column.
- **Findings:** Control limits were met in the second column, so no data were qualified on the basis of Organochlorine Pesticides laboratory standards.

3.3.5 Laboratory Control Samples

3.3.5.1 *Semi-Volatile Organic Compounds*

- **Evaluation:** Recoveries of O,O,O-Triethylphosphorothioate in the LCS/LCSD in sample MW-12A collected in April 2021 and in samples MW-20A and Duplicate (MW-20A) collected in October 2021, were higher than project DQOs.
- **Findings:** The detections of O,O,O-Triethylphosphorothioate in the associated samples MW-12A collected in April 2021, and MW-20A and Duplicate (MW-20A) collected in October 2021, were qualified as estimated (J).

3.3.6 Matrix Spikes

3.3.6.1 Arochlor Analyses

- **Evaluation:** Recoveries of PCB-1016 and PCB-1260 in the MS/MSD sample collected at MW-20A in April 2021 (164% and 147%, respectively) were greater than project DQOs (135%).
- **Findings:** PCB-1016 and PCB-1260 were not detected in the parent sample MW-20A nor in the Duplicate (Field Duplicate 1). No data were qualified on the basis of MS/MSD recoveries.

3.4 Precision

3.4.1 Field Duplicates

- **Evaluation:** Seven field duplicate pairs were analyzed and results having at least one detected analyte among the pair were included in the field precision comparison. Analyte pairs having an RPD of less than 35%, as specified in the SAP, were considered to be within control (see Table F.3). Duplicate samples met the project DQO for precision with five exceptions, all from the April 2021 event.
 - i. The RPD for Mercury in OW-10 F/Field Duplicate 4 F was 43.8%.
 - ii. The RPD for Beryllium in OW-10 F/Field Duplicate 4 F was not calculated since the analyte was detected only in Field Duplicate 4 F and not in the original OW-10 F sample.
 - iii. The RPD for Manganese in OWR-14D F/Field Duplicate 2 F was not calculated since the analyte was detected only in Field Duplicate 2 F and not in the original OWR-14D sample.
 - iv. The RPD for Homolog Specific Total PCBs in OWR-14D F/Field Duplicate 2 F was not calculated since the analyte was detected only in Field Duplicate 2 F and not in the original OWR-14D sample. However, the detection (0.1 µg/L) was very close to the reporting limit.
 - v. The RPD for Trichlorobiphenyl in OWR-14D F/Field Duplicate 2 F was not calculated since the analyte was detected only in Field Duplicate 2 F and not in the original OWR-14D sample. However, the detection (0.1 µg/L) was very close to the reporting limit.
- **Findings:**
 - i. For Mercury results in OW-10 F and Field Duplicate 4 F collected in April 2021, detected results were qualified as estimated (J).

- ii. For Beryllium results in OW-10 F and Field Duplicate 4 F collected in April 2021, detected results were qualified as estimated (J) and results reported as less than the reporting limit were qualified as estimated (UJ).
- iii. For Manganese results in OWR-14D F and Field Duplicate 2 F collected in April 2021, detected results were qualified as estimated (J) and results reported as less than the reporting limit were qualified as estimated (UJ).
- iv. For Homolog Specific Total PCBs results in OWR-14D F and Field Duplicate 2 F collected in April 2021, detected results were qualified as estimated (J) and results reported as less than the reporting limit were qualified as estimated (UJ).
- v. For Trichlorobiphenyl results in OWR-14D F and Field Duplicate 2 F collected in April 2021, detected results were qualified as estimated (J) and results reported as less than the reporting limit were qualified as estimated (UJ).

3.4.2 Matrix Spike Duplicates

- **Evaluation:** The RPD for PCB-1016 in the MS/MSD collected in April 2021, and the RPD for PCB-1260 in MS/MSD collected in October 2021, were 59% and 39%, respectively, above the 15% upper limit according to the National Functional Guidelines for Organic Superfund Methods Data Review (EPA, 2017).
- **Findings:** PCB-1016 and PCB-1260 were not detected in the parent sample MW-15. No data were qualified on the basis of MS/MSD precision.

4.0 SUMMARY AND ACHIEVEMENT OF DATA QUALITY OBJECTIVES

The analytical data have been determined to be usable for the intended purpose of i) verifying that a release to groundwater from WMA I has not occurred; ii) monitoring concentrations of constituents of concern (COCs) in groundwater; and iii) evaluating the effectiveness of corrective action efforts being implemented at WMA II, SWMU 1, the well OW-21A Corrective Action Area, and the OW-10 Corrective Action Area. Completeness was calculated as 100%, based on a total of 881 individual analytes of which no values were rejected. Therefore, the completeness criterion of 85% specified in the SAP was exceeded by a wide margin.

5.0 REFERENCES

Solutia, 2015a. "OU-3 Performance Standards Verification Sampling and Analysis/Quality Assurance Project Plan," Solutia Inc., Anniston, Alabama, January 2015.

Solutia, 2018. "RCRA Post-Closure Permit Renewal Application, Rev. 1, RCRA Post-Closure Permit ALD 004 019 048, Solutia Inc., Anniston, Alabama, 1 November 2018.

USEPA, 2015. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA publication SW-846, Third Edition, Final Updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), and V (2015).

USEPA, 2017. "National Functional Guidelines for Organic Superfund Methods Data Review," OLEM 9355.0-135, EPA-5840-R-2017-001, United States Environmental Protection Agency, Washington, D.C., January 2017.

TABLE F.1
CROSS-REFERENCE SAMPLE IDENTIFICATION

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Sample Date	Lab Sample IDs	Field Sample ID	Project Sample ID	Matrix
April 2021				
4/13/2021	680-197821-1	MW-12A	MW-12A	Water
4/13/2021	680-197821-15	MW-13A	MW-13A	Water
4/13/2021	680-197821-17	Trip Blank 20210415	Trip Blank	Water
4/14/2021	680-197821-2	MW-14	MW-14	Water
4/14/2021	680-197821-3	OW-06A	OW-06A	Water
4/14/2021	680-197821-8	MW-01B	MW-01B	Water
4/14/2021	680-197821-9	MW-08	MW-08	Water
4/14/2021	680-197821-10	MW-09A	MW-09A	Water
4/14/2021	680-197821-11	MW-11A	MW-11A	Water
4/14/2021	680-197821-12	T-10	T-10	Water
4/15/2021	680-197807-1	MW-16	MW-16	Water
4/15/2021	680-197807-2	MW-16F	MW-16	Water
4/15/2021	680-197821-4	OW-16A	OW-16A	Water
4/15/2021	680-197821-5	OW-16AF	OW-16A	Water
4/15/2021	680-197821-6	OW-21A	OW-21A	Water
4/15/2021	680-197821-7	OW-21AF	OW-21A	Water
4/15/2021	680-197821-13	OW-08A	OW-08A	Water
4/15/2021	680-197821-14	OW-08AF	OW-08A	Water
4/15/2021	680-197821-16	OWR-3S	OWR-03S	Water
4/16/2021	680-197807-3	MW-20A	MW-20A	Water
4/16/2021	680-197807-4	MW-20AF	MW-20A	Water
4/16/2021	680-197807-5	Field Duplicate 1	MW-20A	Water
4/16/2021	680-197807-6	MW-15	MW-15	Water
4/16/2021	680-197807-7	MW-15F	MW-15	Water
4/16/2021	680-197807-8	OW-15	OW-15	Water
4/16/2021	680-197807-9	OW-15F	OW-15	Water
4/16/2021	680-197807-10	TRIP BLANK 20210416R	Trip Blank	Water
4/17/2021	680-197858-1	T-04 F	T-04	Water
4/17/2021	680-197858-7	OW-10	OW-10	Water
4/17/2021	680-197858-8	OW-10 F	OW-10	Water
4/17/2021	680-197858-9	Field Duplicate 4	OW-10	Water
4/17/2021	680-197858-10	Field Duplicate 4 F	OW-10	Water
4/17/2021	680-197858-11	T-20	T-20	Water
4/17/2021	680-197858-12	T-20 F	T-20	Water
4/17/2021	680-197858-13	T-09	T-09	Water

TABLE F.1
CROSS-REFERENCE SAMPLE IDENTIFICATION

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Sample Date	Lab Sample IDs	Field Sample ID	Project Sample ID	Matrix
April 2021 (Continued)				
4/17/2021	680-197858-14	T-09 F	T-09	Water
4/17/2021	680-197858-15	Field Duplicate 3	T-09	Water
4/17/2021	680-197858-16	T-04	T-04	Water
4/17/2021	680-197858-17	OW-22	OW-22	Water
4/17/2021	680-197858-18	OW-22 F	OW-22	Water
4/19/2021	680-197858-2	OWR-11	OWR-11	Water
4/19/2021	680-197858-3	OWR-11 F	OWR-11	Water
4/19/2021	680-197858-4	OWR-15 D	OWR-15D	Water
4/19/2021	680-197858-5	OWR-15 DF	OWR-15D	Water
4/19/2021	680-197858-6	Trip Blank 2021 0419 C	Trip Blank	Water
4/19/2021	680-197858-19	Trip Blank 2021 0419 R	Trip Blank	Water
4/19/2021	680-197955-1	T-06	T-06	Water
4/19/2021	680-197955-2	T-06 F	T-06	Water
4/19/2021	680-197955-3	T-18	T-18	Water
4/19/2021	680-197955-4	T-18 F	T-18	Water
4/19/2021	680-197955-5	OWR-13	OWR-13	Water
4/19/2021	680-197955-6	OWR-13 F	OWR-13	Water
4/19/2021	680-197955-7	OWR-14D	OWR-14D	Water
4/19/2021	680-197955-8	Field Duplicate 2	OWR-14D	Water
4/19/2021	680-197955-9	OWR-14D F	OWR-14D	Water
4/19/2021	680-197955-10	Field Duplicate 2 F	OWR-14D	Water
4/19/2021	680-197955-15	Equipment Blank	Equipment Blank	Water
4/20/2021	680-197955-11	WEL-01	WEL-01	Water
4/20/2021	680-197955-12	WEL-01 F	WEL-01	Water
4/20/2021	680-197955-13	WEL-04	WEL-04	Water
4/20/2021	680-197955-14	WEL-04 F	WEL-04	Water
4/20/2021	680-197955-16	Trip Blank 20210420 C	Trip Blank	Water
4/20/2021	680-197955-17	Purge Water	EFFLUENT	Water
October 2021				
10/12/2021	680-205852-1	MW-13A	MW-13A	Water
10/12/2021	680-205852-2	MW-20A	MW-20A	Water
10/12/2021	680-205852-3	Duplicate	MW-20A	Water
10/12/2021	680-205852-4	Trip Blank 20211012	Trip Blank	Water
10/12/2021	680-205973-1	MW-16	MW-16	Water
10/13/2021	680-205973-2	MW-01B	MW-01B	Water

TABLE F.1
CROSS-REFERENCE SAMPLE IDENTIFICATION

Solutia Inc., Anniston, Alabama
RCRA Post-Closure Permit No. ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

Sample Date	Lab Sample IDs	Field Sample ID	Project Sample ID	Matrix
October 2021 (Continued)				
10/13/2021	680-205973-3	MW-11A	MW-11A	Water
10/13/2021	680-205973-4	TripBlank 20211013	Trip Blank	Water
10/13/2021	680-206060-1	MW-12A	MW-12A	Water
10/13/2021	680-206060-2	MW-15	MW-15	Water
10/14/2021	680-206060-3	Tripblank 20211014	Trip Blank	Water

Notes:

1. Samples analyzed by Eurofins TestAmerica Laboratories, Inc. Denver, Eurofins TestAmerica Laboratories, Inc. Savannah, and Eurofins Lancaster Laboratories Environmental.

TABLE F.2
QUALIFIED ANALYTICAL DATA

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Sample ID	Sample Date	Analyte	Lab Result	Lab Qualifier	Units	Data Validation Qualifier	Reason for Qualification	Batch Number	Report Number
April 2021									
MW-16	4/15/2021	Parathion	1	<U	ug/L	UJ	Low TPP recovery	280-535256	680-197807-1
MW-16	4/15/2021	Sulfotepp	1.5	<U	ug/L	UJ	Low TPP recovery	280-535256	680-197807-1
MW-20A	4/16/2021	1,2-Dichlorobenzene	2.6	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197807-3
MW-20A	4/16/2021	1,4-Dichlorobenzene	1.3	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197807-3
Field Duplicate 1	4/16/2021	1,2-Dichlorobenzene	2.6	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197807-5
Field Duplicate 1	4/16/2021	1,4-Dichlorobenzene	1.2	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197807-5
OW-15	4/16/2021	1,2-Dichlorobenzene	2	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197807-8
MW-12A	4/13/2021	o,o',o"-Triethylphosphorothioate	12	*+	ug/L	J	LCS/LCSD recovery outside acceptance limits	680-666066	680-197821-1
T-10	4/14/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
T-10	4/14/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-12
OW-08A	4/15/2021	1,4-Dichlorobenzene	1	<U H	ug/L	UJ	Extracted after holding time	680-666858	680-197821-13
OW-08A	4/15/2021	4-Nitrophenol	8	<U H	ug/L	UJ	Extracted after holding time	680-666858	680-197821-13
OW-08AF	4/15/2021	PCB-1016, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1221, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1232, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1242, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1248, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1254, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1260, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OW-08AF	4/15/2021	PCB-1268, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-14
OWR-3S	4/15/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OWR-3S	4/15/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-16
OW-16A	4/15/2021	1,2-Dichlorobenzene	2.4	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197821-4
OW-16A	4/15/2021	1,4-Dichlorobenzene	1.9	J	ug/L	J	Detection between MDL and PQL	680-665941	680-197821-4
OW-16AF	4/15/2021	PCB-1016, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1221, Dissolved	1.8		ug/L	J	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1232, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1242, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1248, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1254, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1260, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-16AF	4/15/2021	PCB-1268, Dissolved	0.5	<U	ug/L	UJ	Low DCB recovery	680-666277	680-197821-5
OW-21A	4/15/2021	1,2-Dichlorobenzene	17	J	ug/L	J	Detection between MDL and PQL	680-666066	680-197821-6
OW-21A	4/15/2021	Parathion	3300		ug/L	J	Low TPP recovery	280-535467	680-197821-6
OW-21A	4/15/2021	Sulfotepp	81	<U	ug/L	UJ	Low TPP recovery; elevated RL due to dilution	280-535467	680-197821-6
Field Duplicate 4 F	4/17/2021	Beryllium	0.0045		mg/L	J	RPD between original and duplicate not calculated due to a non-detect result	680-665547	680-197858-10
Field Duplicate 4 F	4/17/2021	Mercury	0.0064		mg/L	J	RPD between original and duplicate >35%	680-666453	680-197858-10
T-09	4/17/2021	Parathion	1	<U H	ug/L	UJ	Extracted after holding time	280-535467	680-197858-13

TABLE F.2
QUALIFIED ANALYTICAL DATA

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Sample ID	Sample Date	Analyte	Lab Result	Lab Qualifier	Units	Data Validation Qualifier	Reason for Qualification	Batch Number	Report Number
April 2021 (Continued)									
Field Duplicate 3	4/17/2021	Parathion	1	<U H	ug/L	UJ	Extracted after holding time	280-535467	680-197858-15
OW-22	4/17/2021	Parathion	1	<U H	ug/L	UJ	Extracted after holding time	280-535467	680-197858-17
OW-22	4/17/2021	Sulfotep	1.5	<U H	ug/L	UJ	Extracted after holding time	280-535467	680-197858-17
OW-10 F	4/17/2021	Beryllium, Dissolved	0.004	<U	mg/L	UJ	RPD between original and duplicate not calculated due to a non-detect result	680-665547	680-197858-8
OW-10 F	4/17/2021	Mercury, Dissolved	0.0041		mg/L	J	RPD between original and duplicate >35%	680-666453	680-197858-8
Field Duplicate 2 F	4/19/2021	Manganese	0.022		mg/L	J	RPD between original and duplicate not calculated due to a non-detect result	680-665713	680-197955-10
Field Duplicate 2 F	4/19/2021	Polychlorinated biphenyls, Total	0.1		ug/L	J	RPD between original and duplicate not calculated due to a non-detect result	410-131393	680-197955-10
Field Duplicate 2 F	4/19/2021	Total Trichlorobiphenyls	0.1		ug/L	J	RPD between original and duplicate not calculated due to a non-detect result	410-131393	680-197955-10
Purge Water	4/20/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
Purge Water	4/20/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-17
T-18	4/19/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
T-18	4/19/2021	PCB-1221	25		ug/L	J	Low DCB recovery	680-667012	680-197955-3
T-18	4/19/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
T-18	4/19/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
T-18	4/19/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
T-18	4/19/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
T-18	4/19/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
T-18	4/19/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-3
OWR-13	4/19/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-5
OWR-13	4/19/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-5
OWR-13	4/19/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-5
OWR-13	4/19/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-5
OWR-13	4/19/2021	PCB-1248	8.5		ug/L	J	Low DCB recovery	680-667012	680-197955-5
OWR-13	4/19/2021	PCB-1254	5.5		ug/L	J	Low DCB recovery	680-667012	680-197955-5
OWR-13	4/19/2021	PCB-1260	1.7		ug/L	J	Low DCB recovery	680-666739	680-197955-5
OWR-13	4/19/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-666739	680-197955-5
OWR-14D F	4/19/2021	Manganese, Dissolved	0.01	<U	mg/L	UJ	RPD between original and duplicate not calculated due to a non-detect result	680-665713	680-197955-9
OWR-14D F	4/19/2021	Polychlorinated biphenyls, Total	0.1	<U	ug/L	UJ	RPD between original and duplicate not calculated due to a non-detect result	410-131393	680-197955-9
OWR-14D F	4/19/2021	Total Trichlorobiphenyls	0.1	<U	ug/L	UJ	RPD between original and duplicate not calculated due to a non-detect result	410-131393	680-197955-9
October 2021									
MW-20A	10/12/2021	o,o',o"-Triethylphosphorothioate	78	*+	ug/L	J	LCS recovery outside upper control limit	680-690352	680-205852-2
Duplicate	10/12/2021	o,o',o"-Triethylphosphorothioate	75	*+	ug/L	J	LCS recovery outside upper control limit	680-690352	680-205852-3
MW-16	10/12/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-16	10/12/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-1
MW-01B	10/13/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-01B	10/13/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-01B	10/13/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-01B	10/13/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2

TABLE F.2
QUALIFIED ANALYTICAL DATA

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Sample ID	Sample Date	Analyte	Lab Result	Lab Qualifier	Units	Data Validation Qualifier	Reason for Qualification	Batch Number	Report Number
October 2021 (Continued)									
MW-01B	10/13/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-01B	10/13/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-01B	10/13/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-01B	10/13/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-205973-2
MW-12A	10/13/2021	PCB-1016	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1221	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1232	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1242	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1248	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1254	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1260	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-12A	10/13/2021	PCB-1268	0.5	<U	ug/L	UJ	Low DCB recovery	680-690661	680-206060-1
MW-15	10/13/2021	Chlorobenzene	1	<U H	ug/L	UJ	Reanalyzed outside of holding time	680-691201	680-206060-2

Notes:

1. Samples analyzed by Eurofins TestAmerica Laboratories, Inc. Denver, Eurofins TestAmerica Laboratories, Inc. Savannah, and Eurofins Lancaster Laboratories Environmental.

2. DCB = Decachlorobiphenyl
 LCS = Lab Control Sample
 LCSD = Lab Control Sample Duplicate
 MDL = Method Detection Limit
 PCB = Polychlorinated Biphenyl

PQL = Practical Quantitation Limit
 RL = Reporting Limit
 RPD = Relative Percent Difference
 TPP = Triphenylphosphate

3. Lab Qualifier Codes:

<U = Analyte was not detected at or above the reporting limit
 H = Sample was prepped or analyzed beyond the specified holding time
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
 *+ = LCS and/or LCSD is outside acceptance limits, high biased.
 *- = LCS and/or LCSD is outside acceptance limits, low biased.
 *1 = LCS/LCSD RPD exceeds control limits.

4. Validation Qualifier Codes:

J = Estimated, the analyte was detected and identified
 UJ = Not detected, estimated

**TABLE F.3
 FIELD PRECISION**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Sample ID	Duplicate Sample ID	Filtered	Sample Date	Matrix	Analyte	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD (%)	Within Limits
April 2021									
MW-20A	Field Duplicate 1	No	4/16/2021	Water	1,2-Dichlorobenzene	2.6	2.6	0.0	Yes
MW-20A	Field Duplicate 1	No	4/16/2021	Water	1,4-Dichlorobenzene	1.3	1.2	8.0	Yes
MW-20A	Field Duplicate 1	No	4/16/2021	Water	Chlorobenzene	2.1	2.1	0.0	Yes
MW-20A	Field Duplicate 1	No	4/16/2021	Water	O,O,O-Triethylphosphorothioate	66	69	4.4	Yes
OW-10 F	Field Duplicate 4 F	Yes	4/17/2021	Water	Beryllium	<4 J	4.5	NC	No
OW-10	Field Duplicate 4	No	4/17/2021	Water	Manganese	1200	1200	0.0	Yes
OW-10 F	Field Duplicate 4 F	Yes	4/17/2021	Water	Manganese	1300	1300	0.0	Yes
OW-10 F	Field Duplicate 4 F	Yes	4/17/2021	Water	Mercury	4.1	6.4	43.8	No
OW-10	Field Duplicate 4	No	4/17/2021	Water	Mercury	3.6	4.1	13.0	Yes
OW-10	Field Duplicate 4	No	4/17/2021	Water	Trichloroethylene	3.9	4	2.5	Yes
OWR-14D	Field Duplicate 2	No	4/19/2021	Water	Manganese	16	17	6.1	Yes
OWR-14D F	Field Duplicate 2 F	Yes	4/19/2021	Water	Manganese	<10 J	22	NC	No
OWR-14D	Field Duplicate 2	No	4/19/2021	Water	Tetrachlorobiphenyl	0.29	0.22	27.5	Yes
OWR-14D	Field Duplicate 2	No	4/19/2021	Water	Total PCBs, Homolog Specific	0.48	0.37	25.9	Yes
OWR-14D F	Field Duplicate 2 F	Yes	4/19/2021	Water	Total PCBs, Homolog Specific	<0.1 J	0.1	NC	No
OWR-14D	Field Duplicate 2	No	4/19/2021	Water	Trichlorobiphenyl	0.19	0.15	23.5	Yes
OWR-14D F	Field Duplicate 2 F	Yes	4/19/2021	Water	Trichlorobiphenyl	<0.1 J	0.1	NC	No
T-09	Field Duplicate 3	No	4/17/2021	Water	Aroclor 1248	2.9	2.3	23.1	Yes
October 2021									
MW-20A	Duplicate	No	10/12/2021	Water	Chlorobenzene	2.1	2.1	0.0	Yes
MW-20A	Duplicate	No	10/12/2021	Water	O,O,O-Triethylphosphorothioate	78	75	3.9	Yes

Notes:

1. Samples analyzed by Eurofins TestAmerica Laboratories, Inc. Denver, Eurofins TestAmerica Laboratories, Inc. Savannah, and Eurofins Lancaster Laboratories Environmental

2. $RPD = ((SR - DR) * 200) / (SR + DR)$.
 SR = Sample Result

DR = Duplicate Result
 NC = Not Calculated

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX G: MANN-KENDALL STATISTICAL ANALYSES

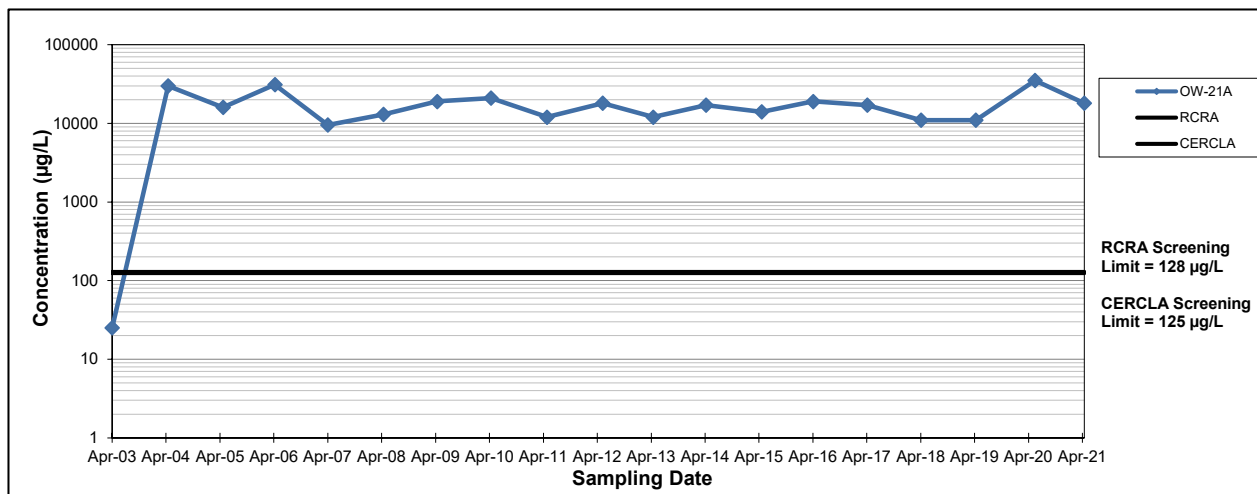
FIGURE G.1
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
4-NITROPHENOL - RCRA CORRECTIVE ACTION MONITORING

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **4-Nitrophenol**
 Concentration Units: **µg/L**

Well Identification:		OW-21A	OW-21A					
Sampling Event	Date	4-NITROPHENOL CONCENTRATION (µg/L)						
1	Apr-03	25						
2	Apr-04	30000	30000					
3	Apr-05	16000	16000					
4	Apr-06	31000	31000					
5	Apr-07	9500	9500					
6	Apr-08	13000	13000					
7	Apr-09	19000	19000					
8	Apr-10	21000	21000					
9	Apr-11	12000	12000					
10	May-12	18000	18000					
11	Apr-13	12000	12000					
12	Apr-14	17000	17000					
13	Apr-15	14000	14000					
14	Apr-16	19000	19000					
15	Apr-17	17000	17000					
16	Apr-18	11000	11000					
17	Apr-19	11000	11000					
18	May-20	35000	35000					
19	Apr-21	18000	18000					
Coefficient of Variation:		0.48	0.41					
Mann-Kendall Statistic (S):		4	-14					
Confidence Factor:		54.1%	68.7%					
Concentration Trend:		No Trend	Stable					



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

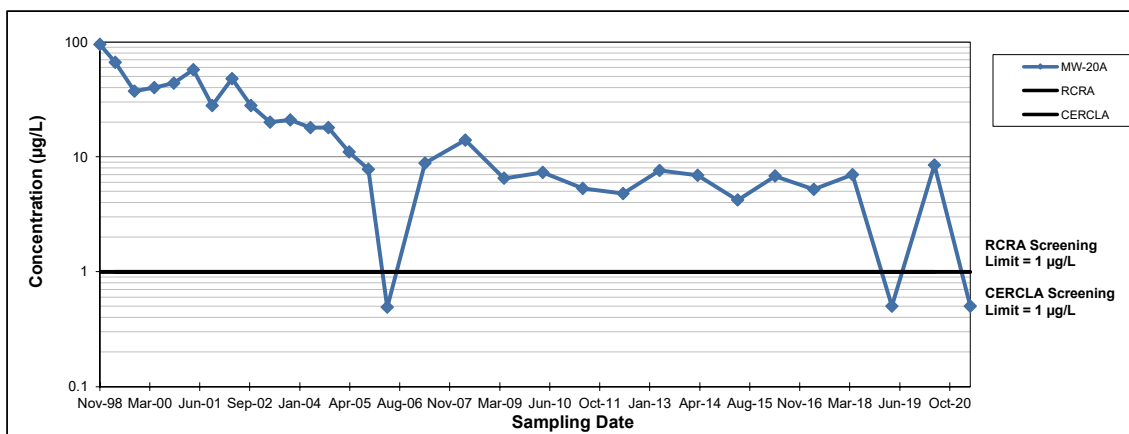
FIGURE G.2
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
PENTACHLOROPHENOL - RCRA CORRECTIVE ACTION MONITORING

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Pentachlorophenol**
 Concentration Units: **µg/L**

Well Identification:		MW-20A						
Sampling Event	Date	PENTACHLOROPHENOL CONCENTRATION (µg/L)						
1	Nov-98	95.4						
2	Apr-99	66.3						
3	Oct-99	37.3						
4	Apr-00	40						
5	Oct-00	43.8						
6	Apr-01	57.5						
7	Oct-01	28						
8	Apr-02	48						
9	Oct-02	28						
10	Apr-03	20						
11	Oct-03	21						
12	Apr-04	18						
13	Oct-04	18						
14	Apr-05	11						
15	Oct-05	7.8						
16	Apr-06	0.49						
17	Apr-07	8.8						
18	Apr-08	14						
19	Apr-09	6.5						
20	Apr-10	7.3						
21	Apr-11	5.3						
22	May-12	4.8						
23	Apr-13	7.6						
24	Apr-14	6.9						
25	Apr-15	4.2						
26	Apr-16	6.8						
27	Apr-17	5.2						
28	Apr-18	7						
29	Apr-19	0.5						
30	May-20	8.5						
15	Apr-21	0.5						
Coefficient of Variation:		1.09						
Mann-Kendall Statistic (S):		-336						
Confidence Factor:		>99.9%						
Concentration Trend:		Decreasing						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

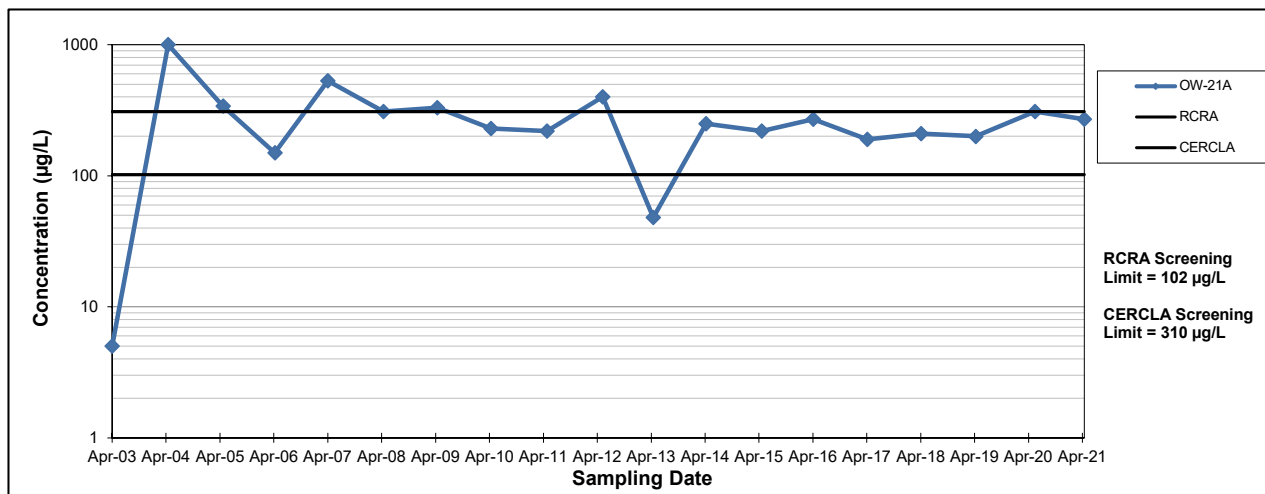
FIGURE G.3
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
O,O,O-TRIETHYLPHOSPHOROTHIOATE - RCRA CORRECTIVE ACTION MONITORING

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **O,O,O-Triethylphosphorothioate**
 Concentration Units: **µg/L**

Well Identification:		OW-21A						
Sampling Event	Date	O,O,O-TRIETHYLPHOSPHOROTHIOATE CONCENTRATION (µg/L)						
1	Apr-03	5						
2	Apr-04	1000						
3	Apr-05	340						
4	Apr-06	150						
5	Apr-07	530						
6	Apr-08	310						
7	Apr-09	330						
8	Apr-10	230						
9	Apr-11	220						
10	May-12	400						
11	Apr-13	48						
12	Apr-14	250						
13	Apr-15	220						
14	Apr-16	270						
15	Apr-17	190						
16	Apr-18	210						
17	Apr-19	200						
18	May-20	310						
19	Apr-21	270						
Coefficient of Variation:		0.72						
Mann-Kendall Statistic (S):		-28						
Confidence Factor:		82.5%						
Concentration Trend:		Stable						



Notes:

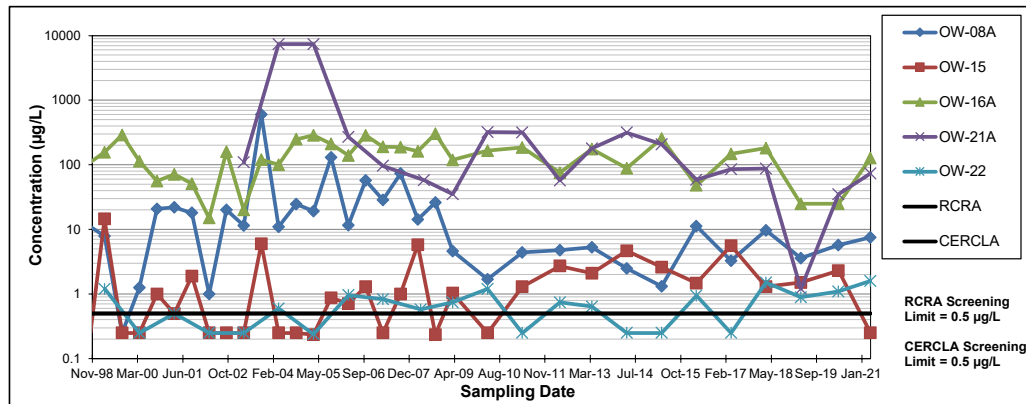
- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

**FIGURE G.4
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 TOTAL PCBs - RCRA CORRECTIVE ACTION MONITORING**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Date Analyzed: **15 February 2022** Constituent: **Total PCBs**
 Facility: **Solutia, Anniston** Concentration Units: **µg/L**

Well Identification:		OW-08A	OW-15	OW-16A	OW-21A	OW-22		
Sampling Event	Date	TOTAL PCBs CONCENTRATION (µg/L)						
1	Nov-98	11	0.25	110	-	-		
2	Apr-99	7.9	14.5	155.8	-	1.2		
3	Oct-99	0.25	0.25	290	-	-		
4	Apr-00	1.25	0.25	114	-	0.25		
5	Oct-00	20.67	1	56	-	-		
6	Apr-01	22	0.5	71	-	0.5		
7	Oct-01	18	1.9	51	-	-		
8	Apr-02	1	0.25	15	-	0.25		
9	Oct-02	20	0.25	160	-	-		
10	Apr-03	11.5	0.25	20	110	0.25		
11	Oct-03	600	6	120	-	-		
12	Apr-04	11	0.25	100	7400	0.6		
13	Oct-04	24.6	0.25	248	-	-		
14	Apr-05	19.1	0.24	285	7400	0.24		
15	Oct-05	130	0.87	210	-	-		
16	Apr-06	11.62	0.71	140	270	0.96		
17	Oct-06	57	1.3	286	-	-		
18	Apr-07	28.6	0.25	190	96.3	0.83		
19	Oct-07	73.2	1	188	-	-		
20	Apr-08	14.18	5.8	161	-	-		
21	May-08	-	-	-	-	0.58		
22	Jun-08	-	-	-	58	-		
23	Oct-08	26	0.24	304	-	-		
24	Apr-09	4.61	1.03	119	35	0.74		
25	Apr-10	1.69	0.25	165.1	322	1.2		
26	Apr-11	4.4	1.3	185	318	0.25		
27	May-12	4.77	2.71	75	57	0.74		
28	Apr-13	5.3	2.1	176	180	0.64		
29	Apr-14	2.5	4.64	88	315	0.25		
30	Apr-15	1.31	2.6	256	207	0.25		
31	Apr-16	11.27	1.47	48	58.62	0.94		
32	Apr-17	3.26	5.57	148	85	0.25		
33	Apr-18	9.71	1.3	182	87	1.5		
34	Apr-19	3.6	1.5	25	1.2	0.89		
35	May-20	5.7	2.3	25	35	1.1		
36	Apr-21	7.5	0.25	127	73.8	1.6		
Coefficient of Variation:		2.98	1.50	0.58	2.55	0.61		
Mann-Kendall Statistic (S):		-82	141	2	-67	64		
Confidence Factor:		88.4%	98.1%	50.6%	99.0%	95.2%		
Concentration Trend:		No Trend	Increasing	No Trend	Decreasing	Increasing		



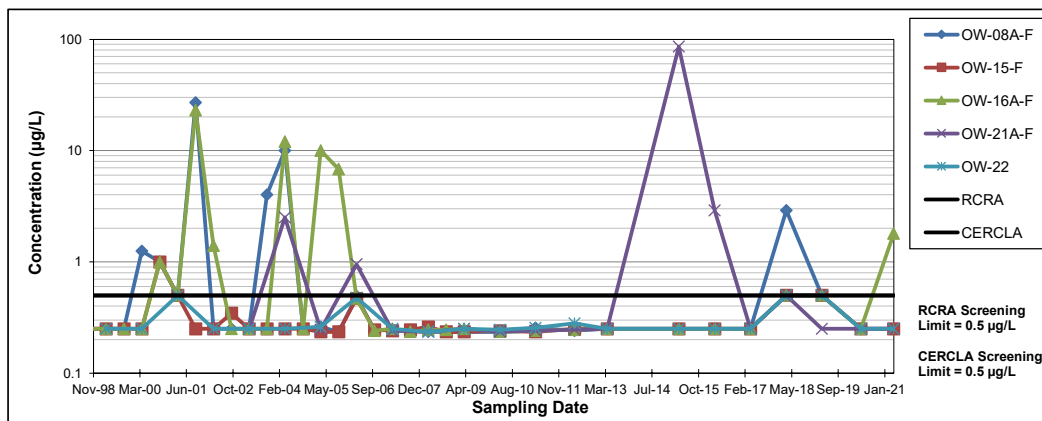
- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
 - Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
 - For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
 - When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

FIGURE G.5
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
TOTAL PCBs - FILTERED - RCRA CORRECTIVE ACTION MONITORING

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**
 Constituent: **Total PCBs - Filtered**
 Concentration Units: **µg/L**

Well Identification:		OW-08A-F	OW-15-F	OW-16A-F	OW-21A-F	OW-22		
Sampling Event	Date	TOTAL PCBs - FILTERED CONCENTRATION (µg/L)						
1	Nov-98	0.25	0.25	0.25	-	-		
2	Apr-99	0.25	0.25	0.25	-	0.25		
3	Oct-99	0.25	0.25	0.25	-	-		
4	Apr-00	1.25	0.25	0.25	-	0.25		
5	Oct-00	1	1	1	-	-		
6	Apr-01	0.5	0.50	0.50	-	0.5		
7	Oct-01	27	0.25	23	-	-		
8	Apr-02	0.25	0.25	1.4	-	0.25		
9	Oct-02	0.25	0.35	0.25	-	-		
10	Apr-03	0.25	0.25	0.25	0.25	0.25		
11	Oct-03	4	0.25	0.25	-	-		
12	Apr-04	10	0.25	12	2.5	0.25		
13	Oct-04	0.25	0.25	0.25	-	-		
14	Apr-05	0.26	0.24	10	0.25	0.26		
15	Oct-05	0.24	0.24	6.8	-	-		
16	Apr-06	0.49	0.47	0.47	0.95	0.475		
17	Oct-06	0.24	0.25	0.24	-	-		
18	Apr-07	0.25	0.24	0.25	0.24	0.25		
19	Oct-07	0.24	0.25	0.24	-	-		
20	Apr-08	0.24	0.26	0.25	0.24	0.235		
21	Oct-08	0.24	0.24	0.25	-	-		
22	Apr-09	0.24	0.24	0.25	0.25	0.25		
23	Apr-10	0.24	0.24	0.24	0.24	0.245		
24	Apr-11	0.26	0.24	0.24	0.24	0.255		
25	May-12	0.24	0.25	0.25	0.25	0.28		
26	Apr-13	0.25	0.25	0.25	0.25	0.25		
27	Apr-14	-	-	-	-	-		
28	Apr-15	0.25	0.25	0.25	85.8	0.25		
29	Apr-16	0.25	0.25	0.25	2.9	0.25		
30	Apr-17	0.25	0.25	0.25	0.25	0.25		
31	Apr-18	2.9	0.5	0.5	0.5	0.5		
32	Apr-19	0.50	0.5	0.5	0.25	0.5		
33	May-20	0.25	0.25	0.25	0.25	0.25		
34	Apr-21	0.25	0.25	1.8	0.25	0.25		
Coefficient of Variation:								
Mann-Kendall Statistic (S):								
Confidence Factor:								
Concentration Trend:		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected		



- Notes:**
- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
 - Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
 - Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
 - Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
 - For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
 - When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

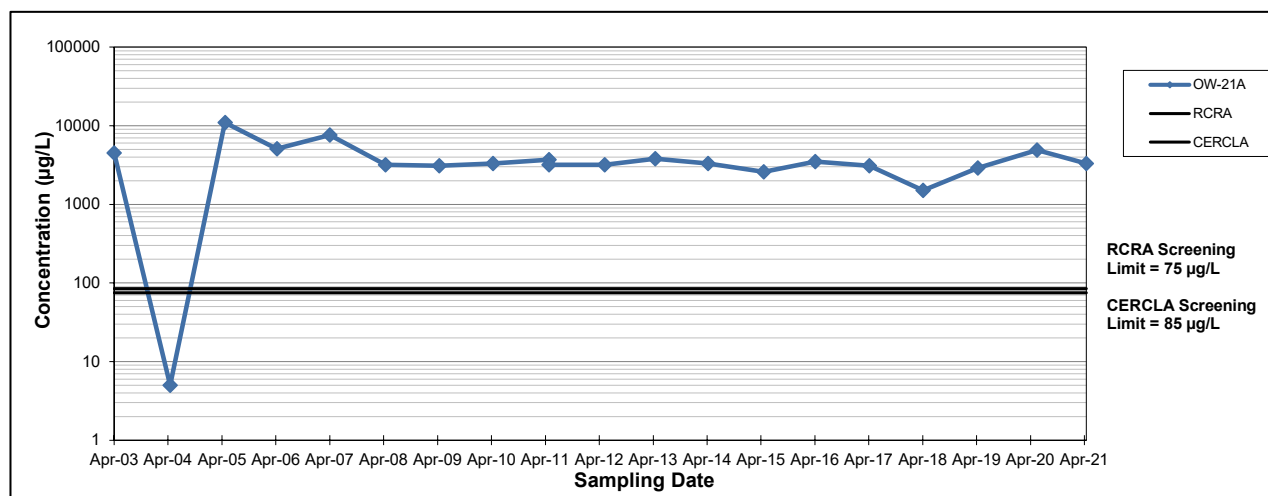
FIGURE G.6
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
PARATHION - RCRA CORRECTIVE ACTION MONITORING

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Parathion**
 Concentration Units: **µg/L**

Well Identification:		OW-21A						
Sampling Event	Date	PARATHION CONCENTRATION (µg/L)						
1	Apr-03	4500						
2	Apr-04	5						
3	Apr-05	11000						
4	Apr-06	5100						
5	Apr-07	7600						
6	Apr-08	3200						
7	Apr-09	3100						
8	Apr-10	3300						
9	Apr-11	3700						
10	Apr-11	3200						
11	May-12	3200						
12	Apr-13	3800						
13	Apr-14	3300						
14	Apr-15	2600						
15	Apr-16	3500						
16	Apr-17	3100						
17	Apr-18	1500						
18	Apr-19	2900						
14	May-20	4900						
15	Apr-21	3300						
Coefficient of Variation:		0.58						
Mann-Kendall Statistic (S):		-41						
Confidence Factor:		90.2%						
Concentration Trend:		Prob. Decreasing						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

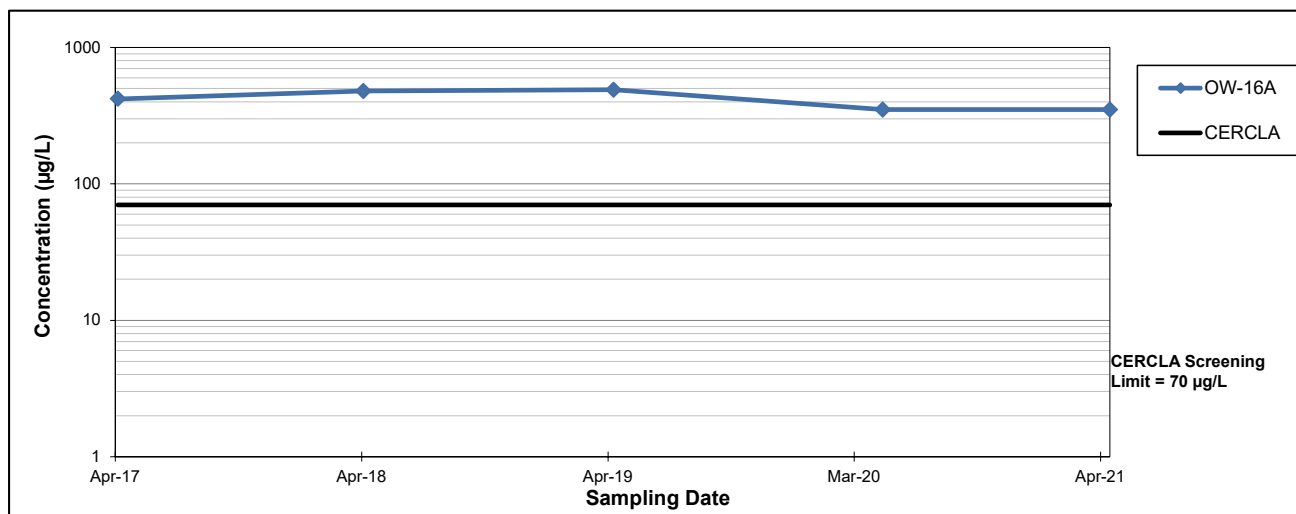
**FIGURE G.7
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 1,2,4-TRICHLOROBENZENE - CERCLA REMEDIAL ACTION**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 Consent Decree Docket No. 1:02-ec-0749-KOB

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **1,2,4-Trichlorobenzene**
 Concentration Units: **µg/L**

Well Identification:		OW-16A						
Sampling Event	Date	1,2,4-TRICHLOROBENZENE CONCENTRATION (µg/L)						
1	Apr-17	420						
2	Apr-18	480						
3	Apr-19	490						
4	May-20	350						
5	Apr-21	350						
Coefficient of Variation:		0.16						
Mann-Kendall Statistic (S):		-3						
Confidence Factor:		67.5%						
Concentration Trend:		Stable						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$).
 $\geq 90\%$ = Probably Increasing or Decreasing; $> 95\%$ = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., **0.0007**), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

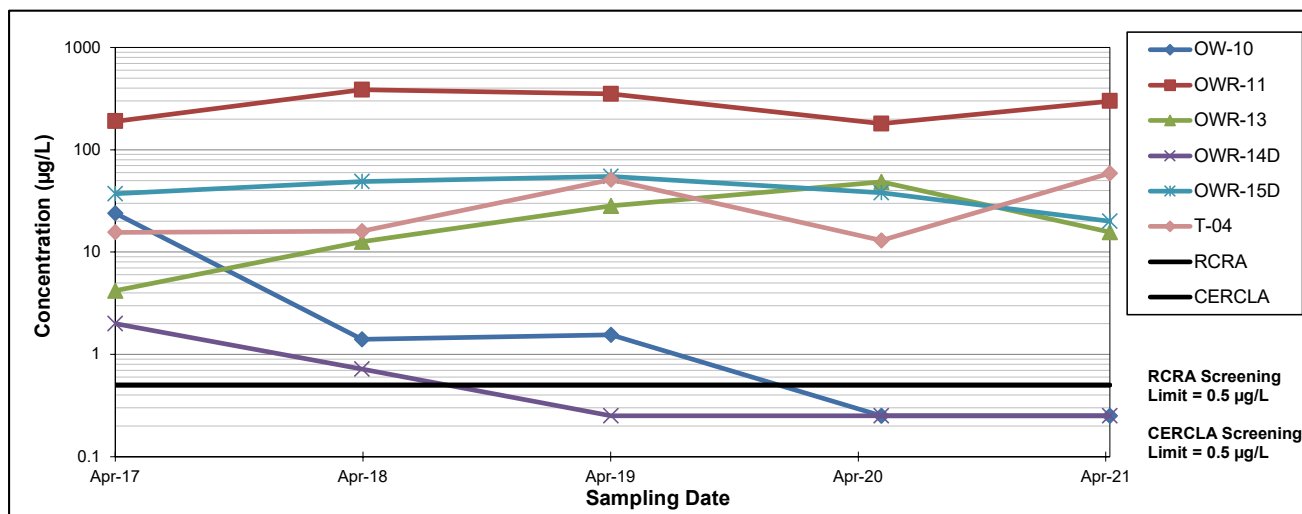
FIGURE G.8(A)
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
TOTAL PCB AROCLORS - CERCLA REMEDIAL ACTION

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Total PCB Aroclors**
 Concentration Units: **µg/L**

Well Identification:		OW-10	OWR-11	OWR-13	OWR-14D	OWR-15D	T-04	T-06
Sampling Event	Date	TOTAL PCB AROCLORS CONCENTRATION (µg/L)						
1	Apr-17	24	190	4.2	2	37.1	15.6	0.63
2	Apr-18	1.4	384.7	12.62	0.72	49	16	6.7
3	Apr-19	1.55	351.8	28.3	0.25	55	51	2.73
4	May-20	0.25	180	48.4	0.25	38	13	3.1
5	Apr-21	0.25	299.5	15.7	0.25	20	58.75	1.9
Coefficient of Variation:		1.89	0.33	0.79	1.09	0.34	0.72	0.75
Mann-Kendall Statistic (S):		-7	-2	6	-7	-2	4	0
Confidence Factor:		92.1%	59.2%	88.3%	92.1%	59.2%	75.8%	40.8%
Concentration Trend:		Prob. Decreasing	Stable	No Trend	Prob. Decreasing	Stable	No Trend	Stable



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

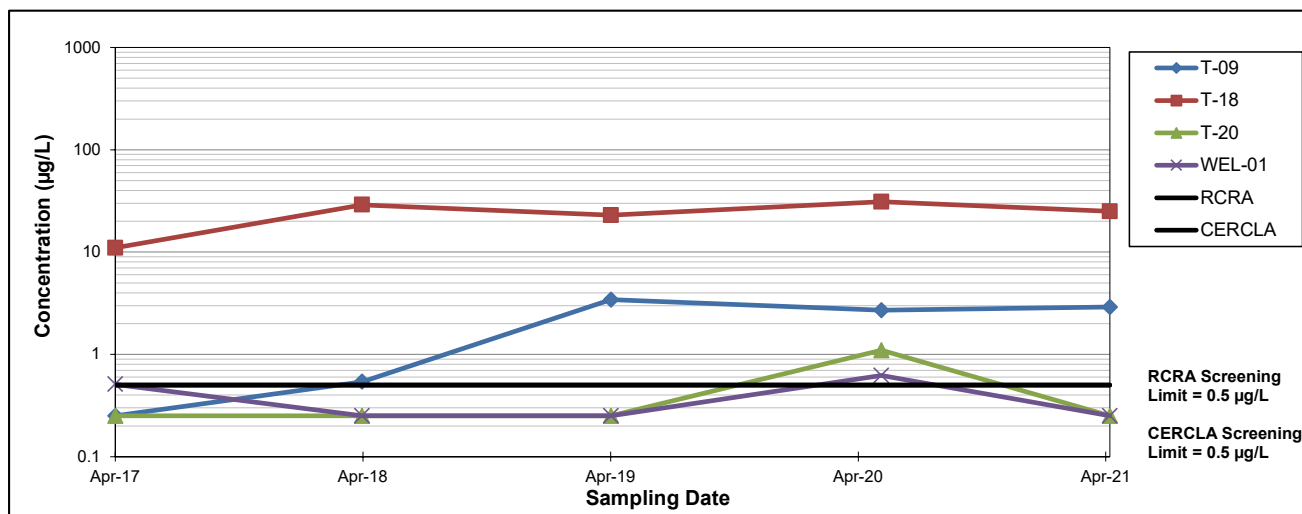
FIGURE G.8(B)
RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
TOTAL PCB AROCLORS - CERCLA REMEDIAL ACTION

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Total PCB Aroclors**
 Concentration Units: **µg/L**

Well Identification:		T-09	T-18	T-20	WEL-01			
Sampling Event	Date	TOTAL PCB AROCLORS CONCENTRATION (µg/L)						
1	Apr-17	0.25	11	0.25	0.51			
2	Apr-18	0.54	29	0.25	0.25			
3	Apr-19	3.43	23	0.25	0.25			
4	May-20	2.7	31	1.1	0.62			
5	Apr-21	2.9	25	0.25	0.25			
Coefficient of Variation:		0.74	0.33		0.47			
Mann-Kendall Statistic (S):		6	4		-1			
Confidence Factor:		88.3%	75.8%		50.0%			
Concentration Trend:		No Trend	No Trend	Not Detected	Stable			



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0).
 ≥ 90% = Probably Increasing or Decreasing; >95% = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

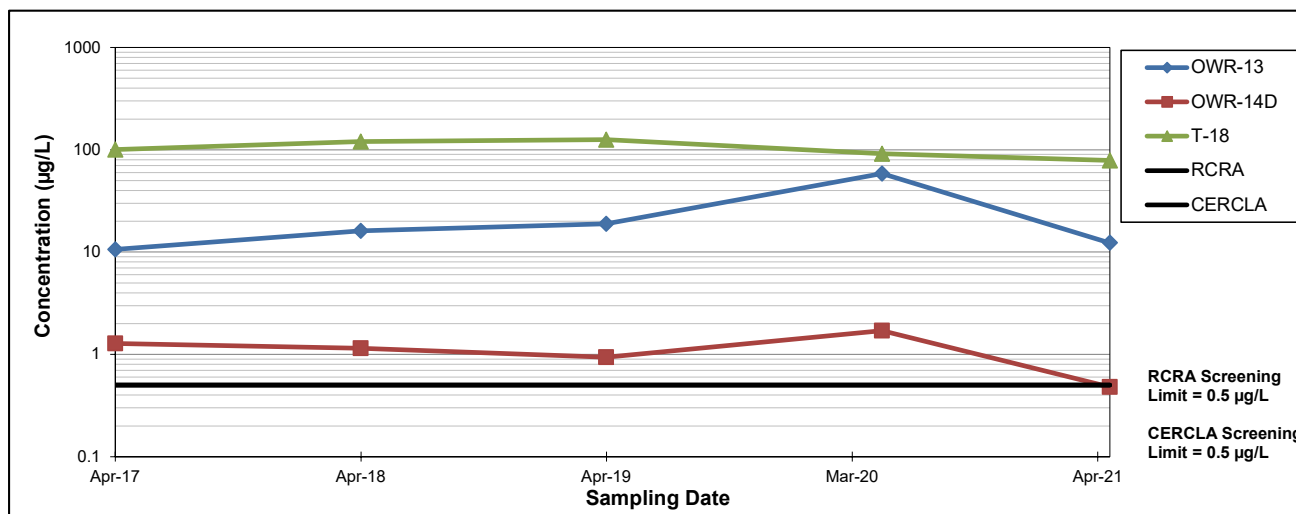
**FIGURE G.9
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 TOTAL PCB HOMOLOGS - CERCLA REMEDIAL ACTION**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Total PCB Homologs**
 Concentration Units: **µg/L**

Well Identification:		OWR-13	OWR-14D	T-18				
Sampling Event	Date	TOTAL PCB HOMOLOGS CONCENTRATION (µg/L)						
1	Apr-17	10.59	1.28	100.7				
2	Apr-18	16.17	1.15	120.1				
3	Apr-19	18.91	0.94	125.4				
4	May-20	58.52	1.7	91.4				
5	Apr-21	12.31	0.48	78.73				
Coefficient of Variation:		0.86	0.40	0.19				
Mann-Kendall Statistic (S):		4	-4	-4				
Confidence Factor:		75.8%	75.8%	75.8%				
Concentration Trend:		No Trend	Stable	Stable				



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$).
 $\geq 90\%$ = Probably Increasing or Decreasing; $> 95\%$ = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., **0.0007**), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

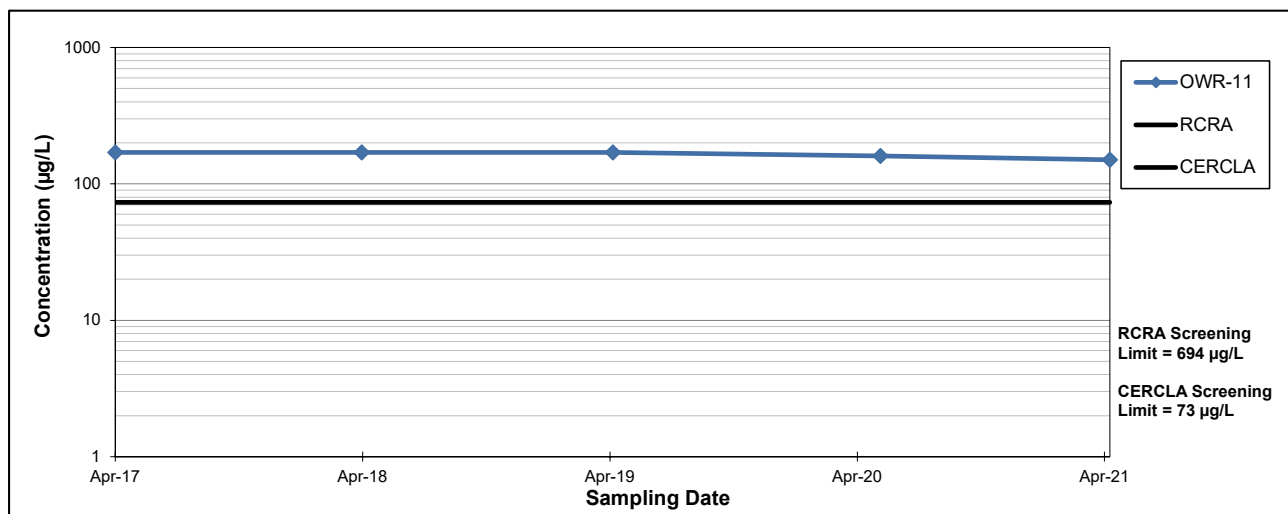
**FIGURE G.10
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 COBALT**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Cobalt**
 Concentration Units: **µg/L**

Well Identification:		OWR-11						
Sampling Event	Date	COBALT CONCENTRATION (µg/L)						
1	Apr-17	170						
2	Apr-18	170						
3	Apr-19	170						
4	May-20	160						
5	Apr-21	150						
Coefficient of Variation:		0.05						
Mann-Kendall Statistic (S):		-7						
Confidence Factor:		92.1%						
Concentration Trend:		Prob. Decreasing						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$).
 $\geq 90\%$ = Probably Increasing or Decreasing; $> 95\%$ = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

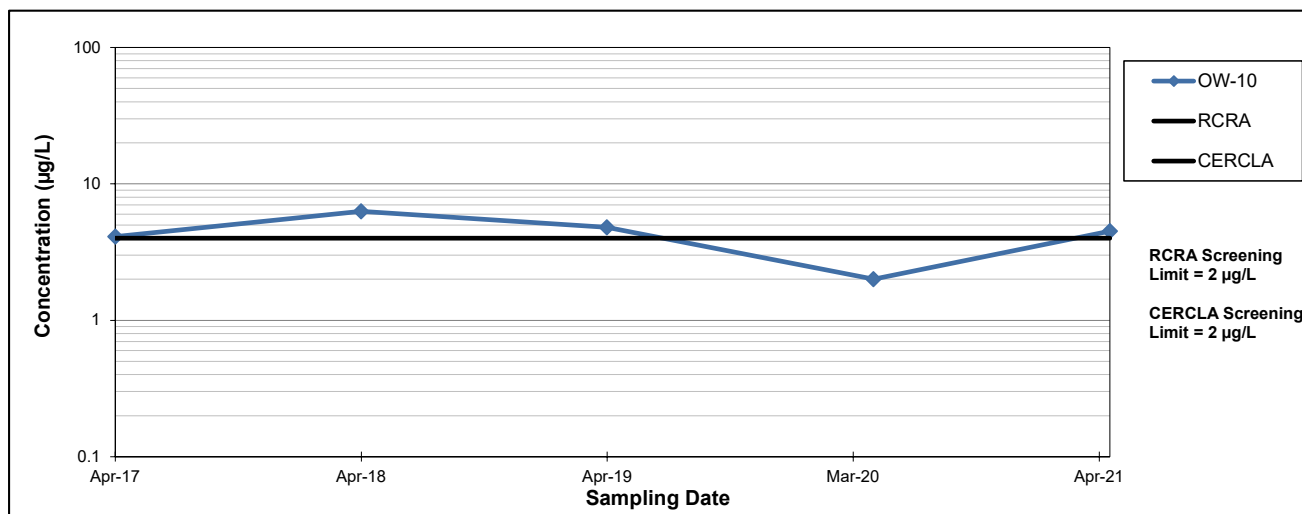
**FIGURE G.11
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 BERYLLIUM**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Beryllium**
 Concentration Units: **µg/L**

Well Identification:		OW-10						
Sampling Event	Date	BERYLLIUM CONCENTRATION (µg/L)						
1	Apr-17	4.1						
2	Apr-18	6.3						
3	Apr-19	4.8						
4	May-20	2						
5	Apr-21	4.5						
Coefficient of Variation:		0.36						
Mann-Kendall Statistic (S):		-2						
Confidence Factor:		59.2%						
Concentration Trend:		Stable						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$).
 $\geq 90\%$ = Probably Increasing or Decreasing; $> 95\%$ = Increasing or Decreasing.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
4. Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
5. For events with duplicate and filtered samples, the trend calculation for Beryllium in OW-10 is based on the maximum detection of all samples collected. See Appendix E for duplicate sample results.
6. When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

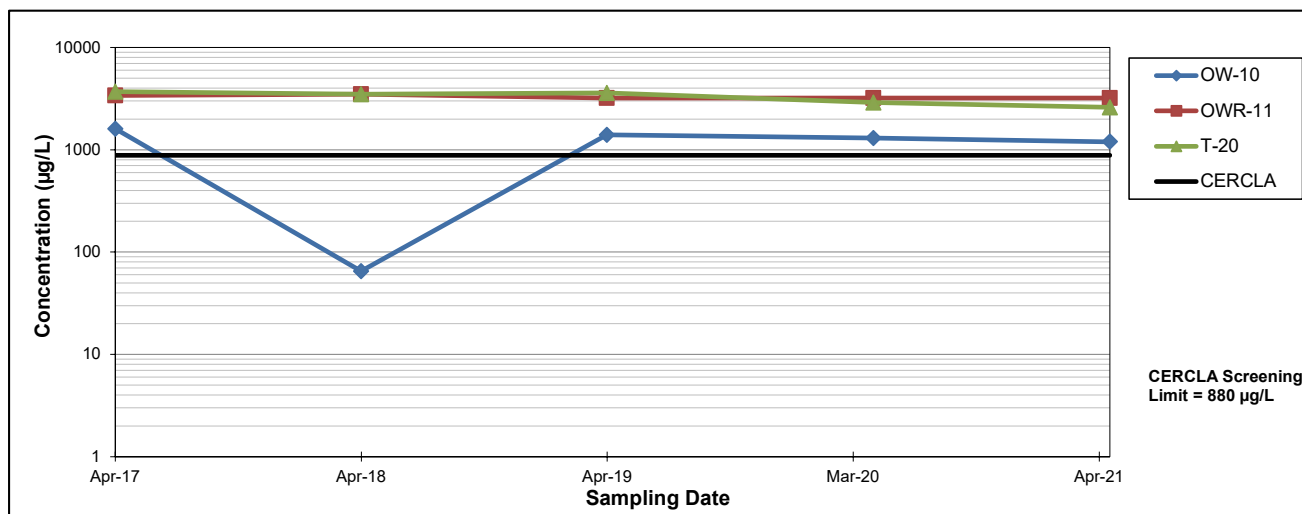
**FIGURE G.12
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 MANGANESE**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Manganese**
 Concentration Units: **µg/L**

Well Identification:		OW-10	OWR-11	T-20				
Sampling Event	Date	MANGANESE CONCENTRATION (µg/L)						
1	Apr-17	1600	3400	3700				
2	Apr-18	65	3500	3500				
3	Apr-19	1400	3200	3600				
4	May-20	1300	3200	2900				
5	Apr-21	1200	3200	2600				
Coefficient of Variation:		0.54	0.04	0.15				
Mann-Kendall Statistic (S):		-4	-5	-8				
Confidence Factor:		75.8%	82.1%	95.8%				
Concentration Trend:		Stable	Stable	Decreasing				



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$).
 $\geq 90\%$ = Probably Increasing or Decreasing; $> 95\%$ = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., **0.0007**), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

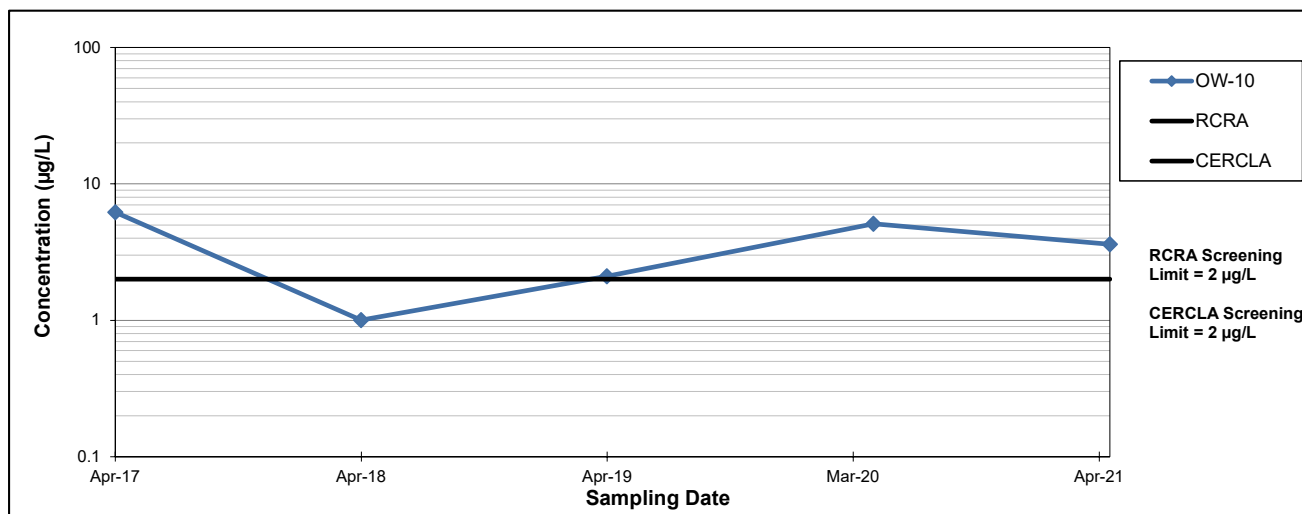
**FIGURE G.13
 RESULTS OF MANN-KENDALL STATISTICAL TREND ANALYSIS:
 MERCURY**

Solutia Inc., Anniston, Alabama
 RCRA Post-Closure Permit No. ALD 004 019 048
 RCRA Post-Closure Permit No. ALD 004 019 048

Date Analyzed: **15 February 2022**
 Facility: **Solutia, Anniston**

Constituent: **Mercury**
 Concentration Units: **µg/L**

Well Identification:		OW-10						
Sampling Event	Date	MERCURY CONCENTRATION (µg/L)						
1	Apr-17	6.2						
2	Apr-18	1						
3	Apr-19	2.1						
4	May-20	5.1						
5	Apr-21	3.6						
Coefficient of Variation:		0.59						
Mann-Kendall Statistic (S):		0						
Confidence Factor:		40.8%						
Concentration Trend:		Stable						



Notes:

- At least four independent sampling events per well are required for calculating the trend. *Methodology is only valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$).
 $\geq 90\%$ = Probably Increasing or Decreasing; $> 95\%$ = Increasing or Decreasing.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Non-detects are shown in blue (e.g., 0.0007), and are quantified as one-half of the method detection limit for calculation of Mann-Kendall statistics.
- For events with duplicate samples, the trend calculation is based on the original sample result. See Appendix E for duplicate sample results.
- When more than 75% of the samples in a given well are non-detect results, a trend is not calculated to avoid calculating a trend on detection limits.

**2021 ANNUAL GROUNDWATER DETECTION MONITORING AND
CORRECTIVE ACTION EFFECTIVENESS REPORT**

Solutia, Inc., Anniston, Alabama
RCRA Post-Closure Permit ALD 004 019 048
Consent Decree Docket No. 1:02-ec-0749-KOB

APPENDIX H: LABORATORY REPORTS

APRIL 2021 LABORATORY REPORTS

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QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: RCRA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-197807-1
 Validation Date: 27 October 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197807-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: MW-16, MW-16F, MW-20A, MW-20AF, Field Duplicate 1, MW-15, MW-15F, OW-15, OW-15F, TRIP BLANK 20210416R

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	<u>WBS also sampled MW-16 and MW-16F</u>
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted? <u>MW-20A), TRIP BLANK 20210416R</u>	☒	☐	☐	<u>Field Duplicate 1 (@ MW-20A), MS/MSD (@</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp, pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☒	☐	☐	

Note Deficiencies: Internal standard recoveries were high in samples MW-20A and Field Duplicate 1 since 8270 SIM was added to the login after the extracts had already been spiked and analyzed for 8270D. Correct ISTD concentrations were accounted for and the final results were calculated correctly, so no qualification is required. Internal standard recoveries of Method 8141B on MW-20A and Field Duplicate 1 exceeded control limits on one column, but met the limit on the other, so no qualification is required.

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☐	☒	☐	<u>Sample times were inadvertently left off for some Sample IDs. Sampling times for these sample IDs are as follows: MW-15 & MW-15F @ 09:22; OW-15 & OW-15F @ 13:35.</u>
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved? <u>not calibrated to the specified reporting limit (1 ug/L) for 1,2-DCB and 1,4-DCB.</u>	☐	☒	☐	<u>The instrument used for Method 8270D was</u>
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted? <u>8141B for MW-16 which caused surrogate recovery issues.</u>	☒	☐	☐	<u>Evidence of matrix interference in Method</u>
Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	_____
Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____
Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☒	☐	☐	<u>Original – MW-20A</u>
				<u>Duplicate – Field Duplicate 1</u>
b) Were field dup. precision criteria met (note RPD)? <u>DCB= 8%, o,o,o-Triethylphosphorothioate= 4.4%</u>	☒	☐	☐	<u>Chlorobenzene= 0%, 1,2-DCB= 0%, 1,4-</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>Multiple LCSDs. All RPDs ≤ 2%</u>

d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	_____
Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
b) Was MSD accuracy criteria met?	☐	☒	☐	<u>PCB-1016 recovery for Method 8081B/8082A = 164% (NFG QC upper limit = 135%), PCB-1260 recovery = 147% (NFG QC upper limit = 135%)</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
c) Were MS/MSD precision criteria met?	☐	☒	☐	<u>PCB-1016 MS/MSD RPD for Method 8081B/8082A = 59% (NFG QC upper limit = 15%)</u>

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☐	☒	☐	<u>TCX recovery in MW-16 for Method 8081B/8082A = 584% (NFG QC upper limit = 150%), TPP recovery in MW-16 for Method 8141B = 59% (Lab QC lower limit = 60%)</u>
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	_____

Comments/Notes:

- (1) NFG= National Functional Guidelines for Organic Superfund Methods Data Review.
- (2) 1,4-DCB and 1,2-DCB detections in MW-20A and Field Duplicate 1 are qualified as J because detections fall between the MDL and PQL since the instrument was not calibrated to the proper RL.
- (3) High recoveries of PCB-1016 and PCB-1260 in MSD samples from MW-20A occurred and MS/MSD RPD of PCB-1016 exceeded lab control limits in samples from MW-20A. Specific conductance is significantly higher and ORP is significantly lower at MW-20A than at other sampled wells, suggesting these matrix problems are likely restricted to MW-20A. Additionally, PCB-1016 and PCB-1260 were not detected in MW-20A nor in Field Duplicate 1, therefore no qualification is required.
- (4) High recoveries of surrogate TCX for Method 8082A in MW-16 occurred; however, all analytes of this method were not detected, so no qualification is required.
- (5) Marginally low recoveries of surrogate TPP for Method 8141B in MW-16 occurred, therefore, non-detects are qualified as UJ.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
MW-20A	1,2-DCB	2.6 ug/L	J	Detection between MDL and PQL
MW-20A	1,4-DCB	1.3 ug/L	J	Detection between MDL and PQL
Field Duplicate 1	1,2-DCB	2.6 ug/L	J	Detection between MDL and PQL
Field Duplicate 1	1,4-DCB	1.2 ug/L	J	Detection between MDL and PQL
OW-15	1,2-DCB	2.0 ug/L	J	Detection between MDL and PQL
MW-16	Parathion	<1.0 ug/L	UJ	Low TPP recovery
MW-16	Sulfotepp	<1.5 ug/L	UJ	Low TPP recovery

Signature: 

Date: 27 October 2021

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: RCRA Groundwater Monitoring

Project Number: 680-197807-1

Reviewer: Jessica Alanis

Validation Date: 27 October 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197807-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: MW-16, MW-16F, MW-20A, Field Duplicate 1, MW-15, MW-15F, OW-15, OW-15F

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	<u>WBS also sampled MW-16 and MW-16F</u>
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted? <u>MW-20A</u>	☒	☐	☐	<u>Field Duplicate 1 (@ MW-20A), MS/MSD (@</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp, pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	

Note Deficiencies: _____

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☐	☒	☐	<u>Sample times were inadvertently left off for some Sample IDs. Sampling times for these Sample IDs are as follows: MW-15 & MW-15F @ 09:22; OW-15 & OW-15F @ 13:35.</u>
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☒	☐	☐	
f) Were any sample dilutions noted?	☐	☒	☐	
g) Were any matrix problems noted?	☐	☒	☐	

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☒	☐	☐	<u>Original – MW-20A</u>
				<u>Duplicate – Field Duplicate 1</u>
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	<u>Co and Hg both non-detect</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
b) Was MSD accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
c) Were MS/MSD precision criteria met?	☒	☐	☐	_____

Comments/Notes:
No data requires qualification.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason

Jessica Adams

Signature: _____

Date: 27 October 2021

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

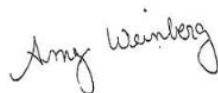
Laboratory Job ID: 680-197807-1

Client Project/Site: Anniston RCRA April 2020

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
5/21/2021 2:24:45 PM

Amy Weinberg, Project Manager II
(813)885-7427
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Job ID: 680-197807-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-197807-1

Comments

No additional comments.

Receipt

The samples were received on 4/17/2021 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.6° C, 1.3° C, 1.9° C, 3.3° C, 3.8° C, 3.9° C and 5.6° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following analyte has been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: o,o',o"-Triethylphosphorothioate (29.6%). This analyte may have a %D >20% but must be <50% in the continuing calibration verification (CCV).

Method 8270D SIM: Internal standard (ISTD) response for the following samples were outside of acceptance limits: MW-20A (680-197807-3), Field Duplicate 1 (680-197807-5) and (MB 680-665376/10-A). The samples were spiked with the internal standard for the 8270D analysis which is 20X higher than the SIM ICAL. The results have been calculated accordingly, flagged and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B/8082A: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-16 (680-197807-1). These results have been reported and qualified.

Method 8141B: Internal standard (ISTD - Tributyl phosphate) response for the following samples exceeded the control limit on Column RTX-OPP2 Phosphated Pesticides: MW-20A (680-197807-3[MS]), (CCV 280-535256/38) and (CCV 280-535256/45). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria. preparation batch 280-533387 and analytical batch 280-535256.

Method 8141B: Surrogate recovery for the following sample was outside control limits: MW-16 (680-197807-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. preparation batch 280-533387 and analytical batch 280-535256.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-197807-1	MW-16	Water	04/15/21 15:28	04/17/21 10:05	
680-197807-2	MW-16F	Water	04/15/21 15:28	04/17/21 10:05	
680-197807-3	MW-20A	Water	04/16/21 10:00	04/17/21 10:05	
680-197807-4	MW-20AF	Water	04/16/21 10:00	04/17/21 10:05	
680-197807-5	Field Duplicate 1	Water	04/16/21 00:00	04/17/21 10:05	
680-197807-6	MW-15	Water	04/16/21 00:00	04/17/21 10:05	
680-197807-7	MW-15F	Water	04/16/21 00:00	04/17/21 10:05	
680-197807-8	OW-15	Water	04/16/21 00:00	04/17/21 10:05	
680-197807-9	OW-15F	Water	04/16/21 00:00	04/17/21 10:05	
680-197807-10	TRIP BLANK 20210416R	Water	04/16/21 00:00	04/17/21 10:05	

Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-16

Lab Sample ID: 680-197807-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Nitrophenol	120		25	1.8	ug/L	1		8270D	Total/NA
o,o',o"-Triethylphosphorothioate	87		10	0.96	ug/L	1		8270D	Total/NA
Mercury	0.00021		0.00020	0.000080	mg/L	1		7470A	Total/NA

Client Sample ID: MW-16F

Lab Sample ID: 680-197807-2

No Detections.

Client Sample ID: MW-20A

Lab Sample ID: 680-197807-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	2.1		1.0	0.26	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	2.6	J	1.0	0.52	ug/L	1		8270D	Total/NA
1,4-Dichlorobenzene	1.3	J	1.0	0.53	ug/L	1		8270D	Total/NA
o,o',o"-Triethylphosphorothioate	66		10	0.97	ug/L	1		8270D	Total/NA

Client Sample ID: MW-20AF

Lab Sample ID: 680-197807-4

No Detections.

Client Sample ID: Field Duplicate 1

Lab Sample ID: 680-197807-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	2.1		1.0	0.26	ug/L	1		8260B	Total/NA
1,2-Dichlorobenzene	2.6	J	1.0	0.54	ug/L	1		8270D	Total/NA
1,4-Dichlorobenzene	1.2	J	1.0	0.55	ug/L	1		8270D	Total/NA
o,o',o"-Triethylphosphorothioate	69		10	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 680-197807-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.00024		0.00020	0.000080	mg/L	1		7470A	Total/NA

Client Sample ID: MW-15F

Lab Sample ID: 680-197807-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury, Dissolved	0.00036		0.00020	0.000080	mg/L	1		7470A	Dissolved

Client Sample ID: OW-15

Lab Sample ID: 680-197807-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	2.0	J	1.0	0.54	ug/L	1		8270D	Total/NA

Client Sample ID: OW-15F

Lab Sample ID: 680-197807-9

No Detections.

Client Sample ID: TRIP BLANK 20210416R

Lab Sample ID: 680-197807-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-16

Date Collected: 04/15/21 15:28

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/26/21 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130					04/26/21 17:11	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124					04/26/21 17:11	1
Dibromofluoromethane (Surr)	93		70 - 130					04/26/21 17:11	1
4-Bromofluorobenzene (Surr)	92		70 - 130					04/26/21 17:11	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.51	ug/L		04/22/21 18:37	04/26/21 19:36	1
1,4-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/22/21 18:37	04/26/21 19:36	1
4-Nitrophenol	120		25	1.8	ug/L		04/22/21 18:37	04/26/21 19:36	1
o,o',o"-Triethylphosphorothioate	87		10	0.96	ug/L		04/22/21 18:37	04/26/21 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		32 - 113				04/22/21 18:37	04/26/21 19:36	1
2-Fluorophenol	58		26 - 109				04/22/21 18:37	04/26/21 19:36	1
Nitrobenzene-d5	84		32 - 118				04/22/21 18:37	04/26/21 19:36	1
Phenol-d5	68		27 - 110				04/22/21 18:37	04/26/21 19:36	1
Terphenyl-d14	72		10 - 126				04/22/21 18:37	04/26/21 19:36	1
2,4,6-Tribromophenol	105		39 - 124				04/22/21 18:37	04/26/21 19:36	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1221	<0.50		0.50	0.098	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1242	<0.50		0.50	0.098	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1254	<0.50		0.50	0.057	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1260	<0.50		0.50	0.062	ug/L		04/27/21 15:39	04/28/21 18:35	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	28	p	14 - 130				04/27/21 15:39	04/28/21 18:35	1
Tetrachloro-m-xylene	584	S1+	40 - 130				04/27/21 15:39	04/28/21 18:35	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 16:04	1
Sulfotep	<1.5		1.5	0.16	ug/L		04/21/21 17:33	05/07/21 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	59	S1-	60 - 154				04/21/21 17:33	05/07/21 16:04	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 05:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-16

Date Collected: 04/15/21 15:28

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-1

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00021		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:28	1

Client Sample ID: MW-16F

Date Collected: 04/15/21 15:28

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-2

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.088	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1221, Dissolved	<0.50		0.50	0.093	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1242, Dissolved	<0.50		0.50	0.093	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1254, Dissolved	<0.50		0.50	0.054	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/27/21 17:07	04/28/21 18:43	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		14 - 130				04/27/21 17:07	04/28/21 18:43	1
Tetrachloro-m-xylene	55		40 - 130				04/27/21 17:07	04/28/21 18:43	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 05:50	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:33	1

Client Sample ID: MW-20A

Date Collected: 04/16/21 10:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	2.1		1.0	0.26	ug/L			04/26/21 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130					04/26/21 17:32	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124					04/26/21 17:32	1
Dibromofluoromethane (Surr)	93		70 - 130					04/26/21 17:32	1
4-Bromofluorobenzene (Surr)	89		70 - 130					04/26/21 17:32	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<1.0	*3	1.0	0.97	ug/L		04/22/21 18:37	04/27/21 18:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	2.6	J	1.0	0.52	ug/L		04/22/21 18:37	04/26/21 19:57	1
1,4-Dichlorobenzene	1.3	J	1.0	0.53	ug/L		04/22/21 18:37	04/26/21 19:57	1
4-Nitrophenol	<25		25	1.8	ug/L		04/22/21 18:37	04/26/21 19:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-20A

Lab Sample ID: 680-197807-3

Date Collected: 04/16/21 10:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o"-Triethylphosphorothioate	66		10	0.97	ug/L		04/22/21 18:37	04/26/21 19:57	1
Pentachlorophenol	<50		50	1.9	ug/L		04/22/21 18:37	04/26/21 19:57	1
2,4,6-Trichlorophenol	<10		10	0.83	ug/L		04/22/21 18:37	04/26/21 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	57		32 - 113				04/22/21 18:37	04/26/21 19:57	1
2-Fluorophenol	52		26 - 109				04/22/21 18:37	04/26/21 19:57	1
Nitrobenzene-d5	65		32 - 118				04/22/21 18:37	04/26/21 19:57	1
Phenol-d5	62		27 - 110				04/22/21 18:37	04/26/21 19:57	1
Terphenyl-d14	34		10 - 126				04/22/21 18:37	04/26/21 19:57	1
2,4,6-Tribromophenol	78		39 - 124				04/22/21 18:37	04/26/21 19:57	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50	F2 F1	0.50	0.087	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1260	<0.50	F1	0.50	0.058	ug/L		04/27/21 15:39	04/28/21 18:49	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	17	p	14 - 130				04/27/21 15:39	04/28/21 18:49	1
Tetrachloro-m-xylene	54		40 - 130				04/27/21 15:39	04/28/21 18:49	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.16	ug/L		04/21/21 17:33	05/07/21 16:43	1
Sulfotepp	<1.5		1.5	0.19	ug/L		04/21/21 17:33	05/07/21 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	98		60 - 154				04/21/21 17:33	05/07/21 16:43	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 05:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 20:44	1

Client Sample ID: MW-20AF

Lab Sample ID: 680-197807-4

Date Collected: 04/16/21 10:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.092	ug/L		04/27/21 17:07	04/28/21 19:01	1
PCB-1221, Dissolved	<0.50		0.50	0.097	ug/L		04/27/21 17:07	04/28/21 19:01	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/27/21 17:07	04/28/21 19:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-20AF

Lab Sample ID: 680-197807-4

Date Collected: 04/16/21 10:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242, Dissolved	<0.50		0.50	0.097	ug/L		04/27/21 17:07	04/28/21 19:01	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/27/21 17:07	04/28/21 19:01	1
PCB-1254, Dissolved	<0.50		0.50	0.056	ug/L		04/27/21 17:07	04/28/21 19:01	1
PCB-1260, Dissolved	<0.50		0.50	0.061	ug/L		04/27/21 17:07	04/28/21 19:01	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	27		14 - 130				04/27/21 17:07	04/28/21 19:01	1
Tetrachloro-m-xylene	93		40 - 130				04/27/21 17:07	04/28/21 19:01	1

Client Sample ID: Field Duplicate 1

Lab Sample ID: 680-197807-5

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	2.1		1.0	0.26	ug/L			04/26/21 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130					04/26/21 17:54	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124					04/26/21 17:54	1
Dibromofluoromethane (Surr)	93		70 - 130					04/26/21 17:54	1
4-Bromofluorobenzene (Surr)	89		70 - 130					04/26/21 17:54	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<1.0	*3	1.0	1.0	ug/L		04/22/21 18:37	04/27/21 19:01	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	2.6	J	1.0	0.54	ug/L		04/22/21 18:37	04/26/21 20:18	1
1,4-Dichlorobenzene	1.2	J	1.0	0.55	ug/L		04/22/21 18:37	04/26/21 20:18	1
4-Nitrophenol	<25		25	1.9	ug/L		04/22/21 18:37	04/26/21 20:18	1
o,o',o"-Triethylphosphorothioate	69		10	1.0	ug/L		04/22/21 18:37	04/26/21 20:18	1
2,4,6-Trichlorophenol	<10		10	0.87	ug/L		04/22/21 18:37	04/26/21 20:18	1
Pentachlorophenol	<50		50	2.0	ug/L		04/22/21 18:37	04/26/21 20:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	60		32 - 113				04/22/21 18:37	04/26/21 20:18	1
2-Fluorophenol	56		26 - 109				04/22/21 18:37	04/26/21 20:18	1
Nitrobenzene-d5	72		32 - 118				04/22/21 18:37	04/26/21 20:18	1
Phenol-d5	69		27 - 110				04/22/21 18:37	04/26/21 20:18	1
Terphenyl-d14	29		10 - 126				04/22/21 18:37	04/26/21 20:18	1
2,4,6-Tribromophenol	75		39 - 124				04/22/21 18:37	04/26/21 20:18	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/27/21 15:39	04/28/21 19:32	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 19:32	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 19:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: Field Duplicate 1

Lab Sample ID: 680-197807-5

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 19:32	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 19:32	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/27/21 15:39	04/28/21 19:32	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/27/21 15:39	04/28/21 19:32	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	24		14 - 130	04/27/21 15:39	04/28/21 19:32	1
Tetrachloro-m-xylene	53		40 - 130	04/27/21 15:39	04/28/21 19:32	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.15	ug/L		04/21/21 17:33	05/07/21 19:59	1
Sulfotepp	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	91		60 - 154	04/21/21 17:33	05/07/21 19:59	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 05:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:38	1

Client Sample ID: MW-15

Lab Sample ID: 680-197807-6

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/26/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		04/26/21 18:15	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		04/26/21 18:15	1
Dibromofluoromethane (Surr)	95		70 - 130		04/26/21 18:15	1
4-Bromofluorobenzene (Surr)	87		70 - 130		04/26/21 18:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/22/21 18:37	04/26/21 20:39	1
1,4-Dichlorobenzene	<1.0		1.0	0.53	ug/L		04/22/21 18:37	04/26/21 20:39	1
4-Nitrophenol	<25		25	1.9	ug/L		04/22/21 18:37	04/26/21 20:39	1
o,o',o"-Triethylphosphorothioate	<10		10	0.99	ug/L		04/22/21 18:37	04/26/21 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		32 - 113	04/22/21 18:37	04/26/21 20:39	1
2-Fluorophenol	56		26 - 109	04/22/21 18:37	04/26/21 20:39	1
Nitrobenzene-d5	67		32 - 118	04/22/21 18:37	04/26/21 20:39	1
Phenol-d5	69		27 - 110	04/22/21 18:37	04/26/21 20:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-15

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-6

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		10 - 126	04/22/21 18:37	04/26/21 20:39	1
2,4,6-Tribromophenol	78		39 - 124	04/22/21 18:37	04/26/21 20:39	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/27/21 15:39	04/28/21 19:46	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	74		14 - 130	04/27/21 15:39	04/28/21 19:46	1
Tetrachloro-m-xylene	67		40 - 130	04/27/21 15:39	04/28/21 19:46	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 20:38	1
Sulfotepp	<1.5		1.5	0.16	ug/L		04/21/21 17:33	05/07/21 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	95		60 - 154	04/21/21 17:33	05/07/21 20:38	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 06:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00024		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:43	1

Client Sample ID: MW-15F

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-7

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.087	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1221, Dissolved	<0.50		0.50	0.092	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1242, Dissolved	<0.50		0.50	0.092	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/27/21 17:07	04/28/21 19:19	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		14 - 130	04/27/21 17:07	04/28/21 19:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-15F

Lab Sample ID: 680-197807-7

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68	p	40 - 130	04/27/21 17:07	04/28/21 19:19	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00036		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:23	1

Client Sample ID: OW-15

Lab Sample ID: 680-197807-8

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/26/21 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		04/26/21 18:36	1
1,2-Dichloroethane-d4 (Surr)	81		60 - 124		04/26/21 18:36	1
Dibromofluoromethane (Surr)	95		70 - 130		04/26/21 18:36	1
4-Bromofluorobenzene (Surr)	86		70 - 130		04/26/21 18:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	2.0	J	1.0	0.54	ug/L		04/22/21 18:37	04/26/21 21:00	1
1,4-Dichlorobenzene	<1.0		1.0	0.55	ug/L		04/22/21 18:37	04/26/21 21:00	1
4-Nitrophenol	<25		25	1.9	ug/L		04/22/21 18:37	04/26/21 21:00	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		04/22/21 18:37	04/26/21 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		32 - 113	04/22/21 18:37	04/26/21 21:00	1
2-Fluorophenol	72		26 - 109	04/22/21 18:37	04/26/21 21:00	1
Nitrobenzene-d5	86		32 - 118	04/22/21 18:37	04/26/21 21:00	1
Phenol-d5	82		27 - 110	04/22/21 18:37	04/26/21 21:00	1
Terphenyl-d14	67		10 - 126	04/22/21 18:37	04/26/21 21:00	1
2,4,6-Tribromophenol	94		39 - 124	04/22/21 18:37	04/26/21 21:00	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.091	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1221	<0.50		0.50	0.096	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1242	<0.50		0.50	0.096	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1254	<0.50		0.50	0.056	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1260	<0.50		0.50	0.061	ug/L		04/27/21 15:39	04/28/21 20:01	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: OW-15

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-8

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	56		14 - 130	04/27/21 15:39	04/28/21 20:01	1
Tetrachloro-m-xylene	78	p	40 - 130	04/27/21 15:39	04/28/21 20:01	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 21:18	1
Sulfotepp	<1.5		1.5	0.16	ug/L		04/21/21 17:33	05/07/21 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	88		60 - 154	04/21/21 17:33	05/07/21 21:18	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:13	1

Client Sample ID: OW-15F

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-9

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.088	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1221, Dissolved	<0.50		0.50	0.093	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1242, Dissolved	<0.50		0.50	0.093	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1254, Dissolved	<0.50		0.50	0.054	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1260, Dissolved	<0.50		0.50	0.059	ug/L		04/27/21 17:07	04/28/21 19:38	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		14 - 130	04/27/21 17:07	04/28/21 19:38	1
Tetrachloro-m-xylene	82	p	40 - 130	04/27/21 17:07	04/28/21 19:38	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 06:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:08	1

Client Sample ID: TRIP BLANK 20210416R

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 18:08	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: TRIP BLANK 20210416R

Lab Sample ID: 680-197807-10

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	90		70 - 130		04/28/21 18:08	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	78		60 - 124		04/28/21 18:08	1
<i>Dibromofluoromethane (Surr)</i>	87		70 - 130		04/28/21 18:08	1
<i>4-Bromofluorobenzene (Surr)</i>	86		70 - 130		04/28/21 18:08	1

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DCA (60-124)	DBFM (70-130)	BFB (70-130)
680-197807-1	MW-16	105	87	93	92
680-197807-3	MW-20A	101	85	93	89
680-197807-3 MS	MW-20A	112	87	100	92
680-197807-3 MSD	MW-20A	115	87	101	95
680-197807-5	Field Duplicate 1	102	84	93	89
680-197807-6	MW-15	100	85	95	87
680-197807-8	OW-15	99	81	95	86
680-197807-10	TRIP BLANK 20210416R	90	78	87	86
LCS 680-665968/3	Lab Control Sample	117	99	107	93
LCS 680-666191/3	Lab Control Sample	100	89	101	93
LCSD 680-665968/4	Lab Control Sample Dup	119	94	105	95
LCSD 680-666191/4	Lab Control Sample Dup	100	84	99	95
MB 680-665968/8	Method Blank	99	90	96	87
MB 680-666191/8	Method Blank	91	77	87	87

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
680-197807-1	MW-16	81	58	84	68	72	105
680-197807-3	MW-20A	57	52	65	62	34	78
680-197807-3 MS	MW-20A	55	54	70	61	36	71
680-197807-3 MS	MW-20A	56	52	57	61	46	71
680-197807-3 MSD	MW-20A	54	48	64	54	29	63
680-197807-3 MSD	MW-20A	58	64	64	65	40	75
680-197807-5	Field Duplicate 1	60	56	72	69	29	75
680-197807-6	MW-15	65	56	67	69	82	78
680-197807-8	OW-15	84	72	86	82	67	94
LCS 680-665376/11-A	Lab Control Sample	77	81	82	88	84	85
LCS 680-665376/14-A	Lab Control Sample	77	72	86	85	75	86
MB 680-665376/10-A	Method Blank	85	75	90	86	79	93

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX1 (40-130)
680-197807-1	MW-16	28 p	584 S1+
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX2 (40-130)
680-197807-3	MW-20A	17 p	54
680-197807-3 MS	MW-20A	23	66
680-197807-5	Field Duplicate 1	24	53
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX2 (40-130)
680-197807-3 MSD	MW-20A	40	62
680-197807-8	OW-15	56	78 p
MB 680-666147/19-A	Method Blank	78	79
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX1 (40-130)
680-197807-6	MW-15	74	67
LCS 680-666145/9-A	Lab Control Sample	80	92
LCS 680-666147/20-A	Lab Control Sample	76	77
LCSD 680-666145/10-A	Lab Control Sample Dup	75	86
MB 680-666145/8-A	Method Blank	93	87
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020
TCX = Tetrachloro-m-xylene

Job ID: 680-197807-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Dissolved

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (14-130)	TCX2 (40-130)
680-197807-7	MW-15F	98	68 p
680-197807-9	OW-15F	65	82 p
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Dissolved

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (14-130)	TCX1 (40-130)
680-197807-2	MW-16F	55	55
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Dissolved

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (14-130)	TCX1 (40-130)
680-197807-4	MW-20AF	27	93
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TPP1 (60-154)	
680-197807-1	MW-16	59 S1-	
680-197807-3	MW-20A	98	
680-197807-3 MS	MW-20A	94	
680-197807-3 MSD	MW-20A	95	
680-197807-5	Field Duplicate 1	91	
680-197807-6	MW-15	95	
680-197807-8	OW-15	88	
LCS 280-533387/2-A	Lab Control Sample	84	
MB 280-533387/1-A	Method Blank	108	

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Surrogate Legend
TPP = Triphenylphosphate

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665968/8

Matrix: Water

Analysis Batch: 665968

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/26/21 12:48	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130					04/26/21 12:48	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124					04/26/21 12:48	1
Dibromofluoromethane (Surr)	96		70 - 130					04/26/21 12:48	1
4-Bromofluorobenzene (Surr)	87		70 - 130					04/26/21 12:48	1

Lab Sample ID: LCS 680-665968/3

Matrix: Water

Analysis Batch: 665968

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	55.8		ug/L		112	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	117		70 - 130				
1,2-Dichloroethane-d4 (Surr)	99		60 - 124				
Dibromofluoromethane (Surr)	107		70 - 130				
4-Bromofluorobenzene (Surr)	93		70 - 130				

Lab Sample ID: LCSD 680-665968/4

Matrix: Water

Analysis Batch: 665968

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	56.4		ug/L		113	70 - 130	1	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	119		70 - 130						
1,2-Dichloroethane-d4 (Surr)	94		60 - 124						
Dibromofluoromethane (Surr)	105		70 - 130						
4-Bromofluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 665968

Client Sample ID: MW-20A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	2.1		50.0	58.5		ug/L		113	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	112		70 - 130						
1,2-Dichloroethane-d4 (Surr)	87		60 - 124						
Dibromofluoromethane (Surr)	100		70 - 130						
4-Bromofluorobenzene (Surr)	92		70 - 130						

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 665968

Client Sample ID: MW-20A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	2.1		50.0	59.6		ug/L		115	70 - 130	2	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	115		70 - 130								
1,2-Dichloroethane-d4 (Surr)	87		60 - 124								
Dibromofluoromethane (Surr)	101		70 - 130								
4-Bromofluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: MB 680-666191/8

Matrix: Water

Analysis Batch: 666191

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 12:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130					04/28/21 12:59	1
1,2-Dichloroethane-d4 (Surr)	77		60 - 124					04/28/21 12:59	1
Dibromofluoromethane (Surr)	87		70 - 130					04/28/21 12:59	1
4-Bromofluorobenzene (Surr)	87		70 - 130					04/28/21 12:59	1

Lab Sample ID: LCS 680-666191/3

Matrix: Water

Analysis Batch: 666191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	48.9		ug/L		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	100		70 - 130				
1,2-Dichloroethane-d4 (Surr)	89		60 - 124				
Dibromofluoromethane (Surr)	101		70 - 130				
4-Bromofluorobenzene (Surr)	93		70 - 130				

Lab Sample ID: LCSD 680-666191/4

Matrix: Water

Analysis Batch: 666191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	48.1		ug/L		96	70 - 130	2	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
1,2-Dichloroethane-d4 (Surr)	84		60 - 124						
Dibromofluoromethane (Surr)	99		70 - 130						
4-Bromofluorobenzene (Surr)	95		70 - 130						

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665376/10-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.53	ug/L		04/22/21 18:37	04/26/21 17:08	1
1,4-Dichlorobenzene	<1.0		1.0	0.54	ug/L		04/22/21 18:37	04/26/21 17:08	1
4-Nitrophenol	<25		25	1.9	ug/L		04/22/21 18:37	04/26/21 17:08	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		04/22/21 18:37	04/26/21 17:08	1
2,4,6-Trichlorophenol	<10		10	0.85	ug/L		04/22/21 18:37	04/26/21 17:08	1
Pentachlorophenol	<50		50	2.0	ug/L		04/22/21 18:37	04/26/21 17:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		32 - 113	04/22/21 18:37	04/26/21 17:08	1
2-Fluorophenol	75		26 - 109	04/22/21 18:37	04/26/21 17:08	1
Nitrobenzene-d5	90		32 - 118	04/22/21 18:37	04/26/21 17:08	1
Phenol-d5	86		27 - 110	04/22/21 18:37	04/26/21 17:08	1
Terphenyl-d14	79		10 - 126	04/22/21 18:37	04/26/21 17:08	1
2,4,6-Tribromophenol	93		39 - 124	04/22/21 18:37	04/26/21 17:08	1

Lab Sample ID: LCS 680-665376/11-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	100	62.4		ug/L		62	31 - 130
1,4-Dichlorobenzene	100	61.7		ug/L		62	31 - 130
4-Nitrophenol	200	213		ug/L		106	44 - 130
2,4,6-Trichlorophenol	100	95.2		ug/L		95	47 - 130
Pentachlorophenol	200	187		ug/L		93	33 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	77		32 - 113
2-Fluorophenol	81		26 - 109
Nitrobenzene-d5	82		32 - 118
Phenol-d5	88		27 - 110
Terphenyl-d14	84		10 - 126
2,4,6-Tribromophenol	85		39 - 124

Lab Sample ID: LCS 680-665376/14-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	100	120		ug/L		120	23 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	77		32 - 113
2-Fluorophenol	72		26 - 109
Nitrobenzene-d5	86		32 - 118
Phenol-d5	85		27 - 110
Terphenyl-d14	75		10 - 126

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-665376/14-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665376

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol	86		39 - 124

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 665941

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 665376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,2-Dichlorobenzene	2.6	J	98.7	49.0		ug/L		47	31 - 130
1,4-Dichlorobenzene	1.3	J	98.7	45.5		ug/L		45	31 - 130
4-Nitrophenol	<25		197	193		ug/L		98	44 - 130
Pentachlorophenol	<50		197	174		ug/L		82	33 - 130
2,4,6-Trichlorophenol	<10		98.7	70.4		ug/L		70	47 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	56		32 - 113
2-Fluorophenol	52		26 - 109
Nitrobenzene-d5	57		32 - 118
Phenol-d5	61		27 - 110
Terphenyl-d14	46		10 - 126
2,4,6-Tribromophenol	71		39 - 124

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 665941

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 665376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
o,o',o"-Triethylphosphorothioate	66		96.6	135		ug/L		72	23 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	55		32 - 113
2-Fluorophenol	54		26 - 109
Nitrobenzene-d5	70		32 - 118
Phenol-d5	61		27 - 110
Terphenyl-d14	36		10 - 126
2,4,6-Tribromophenol	71		39 - 124

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 665941

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 665376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dichlorobenzene	2.6	J	96.7	48.1		ug/L		47	31 - 130	2	50
1,4-Dichlorobenzene	1.3	J	96.7	46.7		ug/L		47	31 - 130	3	50
4-Nitrophenol	<25		193	179		ug/L		93	44 - 130	7	50
Pentachlorophenol	<50		193	171		ug/L		83	33 - 130	2	50
2,4,6-Trichlorophenol	<10		96.7	74.1		ug/L		75	47 - 130	5	50

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 665941

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 665376

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	58		32 - 113
2-Fluorophenol	64		26 - 109
Nitrobenzene-d5	64		32 - 118
Phenol-d5	65		27 - 110
Terphenyl-d14	40		10 - 126
2,4,6-Tribromophenol	75		39 - 124

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 665941

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 665376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o,o',o"-Triethylphosphorothioate	66		100	145		ug/L		79	23 - 130	7	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
2-Fluorobiphenyl	54		32 - 113								
2-Fluorophenol	48		26 - 109								
Nitrobenzene-d5	64		32 - 118								
Phenol-d5	54		27 - 110								
Terphenyl-d14	29		10 - 126								
2,4,6-Tribromophenol	63		39 - 124								

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 680-665376/10-A

Matrix: Water

Analysis Batch: 666055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<1.0	*3	1.0	1.0	ug/L		04/22/21 18:37	04/27/21 18:06	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-666145/8-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.090	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1221, Dissolved	<0.50		0.50	0.095	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1242, Dissolved	<0.50		0.50	0.095	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 17:48	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-666145/8-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666145

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
DCB Decachlorobiphenyl	93		14 - 130	04/27/21 17:07	04/28/21 17:48	1			
Tetrachloro-m-xylene	87		40 - 130	04/27/21 17:07	04/28/21 17:48	1			

Lab Sample ID: LCS 680-666145/9-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666145

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016, Dissolved			3.00	2.68		ug/L		89	44 - 130		
PCB-1260, Dissolved			3.00	3.12		ug/L		104	35 - 130		
Surrogate	LCS	LCS									
%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl	80		14 - 130								
Tetrachloro-m-xylene	92		40 - 130								

Lab Sample ID: LCSD 680-666145/10-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 666145

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016, Dissolved			3.00	2.63		ug/L		88	44 - 130	2	30
PCB-1260, Dissolved			3.00	3.15		ug/L		105	35 - 130	1	40
Surrogate	LCSD	LCSD									
%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl	75		14 - 130								
Tetrachloro-m-xylene	86		40 - 130								

Lab Sample ID: MB 680-666147/19-A

Matrix: Water

Analysis Batch: 666273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666147

Analyte	MB	MB									
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac		
PCB-1016	<0.50	0.50	0.090	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1221	<0.50	0.50	0.095	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1232	<0.50	0.50	0.13	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1242	<0.50	0.50	0.095	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1248	<0.50	0.50	0.11	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1254	<0.50	0.50	0.055	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1260	<0.50	0.50	0.060	ug/L		04/27/21 15:39	04/28/21 16:55	1			
PCB-1268	<0.50	0.50	0.12	ug/L		04/27/21 15:39	04/28/21 16:55	1			
Surrogate	MB	MB									
%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl	78		14 - 130			04/27/21 15:39	04/28/21 16:55	1			
Tetrachloro-m-xylene	79		40 - 130			04/27/21 15:39	04/28/21 16:55	1			

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-666147/20-A

Matrix: Water

Analysis Batch: 666273

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	3.00	2.34		ug/L		78	44 - 130
PCB-1260	3.00	2.38		ug/L		79	35 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	76		14 - 130				
Tetrachloro-m-xylene	77		40 - 130				

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 666273

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 666147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.50	F2 F1	2.91	2.57	p	ug/L		88	44 - 130
PCB-1260	<0.50	F1	2.91	3.29	p	ug/L		113	35 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl	23		14 - 130						
Tetrachloro-m-xylene	66		40 - 130						

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 666273

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 666147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	<0.50	F2 F1	2.89	4.75	E F1 F2	ug/L		164	44 - 130	59	50
PCB-1260	<0.50	F1	2.89	4.25	F1 p	ug/L		147	35 - 130	25	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl	40		14 - 130								
Tetrachloro-m-xylene	62		40 - 130								

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-533387/1-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 06:54	1
Sulfotepp	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 06:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Triphenylphosphate	108		60 - 154	04/21/21 17:33	05/07/21 06:54	1			

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 280-533387/2-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Parathion	4.00	3.16		ug/L		79	55 - 107
Sulfotepp	4.00	3.06		ug/L		76	53 - 110
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Triphenylphosphate	84		60 - 154				

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 535256

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 533387

Analysis Data: 000100										Resp Data: 00000	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Parathion	<1.0		4.06	3.21		ug/L		79	55 - 107		
Sulfotepp	<1.5		4.06	3.07		ug/L		76	53 - 110		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Triphenylphosphate	94		60 - 154								

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 535256

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 533387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Parathion	<1.0		4.07	3.54		ug/L		87	55 - 107	10	20
Sulfotepp	<1.5		4.07	3.33		ug/L		82	53 - 110	8	27
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Triphenylphosphate	95		60 - 154								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-664905/1-A

Matrix: Water

Analysis Batch: 665130

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 664905

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 05:02	1
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:32	04/21/21 05:02	1

Lab Sample ID: LCS 680-664905/2-A

Matrix: Water

Analysis Batch: 665130

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 664905

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0483		mg/L		97	80 - 120
Cobalt, Dissolved	0.0500	0.0483		mg/L		97	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 665130

Client Sample ID: MW-20A

Prep Type: Total Recoverable

Prep Batch: 664905

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	<0.010		0.0500	0.0493		mg/L		94	75 - 125

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 665130

Client Sample ID: MW-20A

Prep Type: Total Recoverable

Prep Batch: 664905

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cobalt	<0.010		0.0500	0.0505		mg/L		96	75 - 125	2	20

Lab Sample ID: MB 680-664909/1-A

Matrix: Water

Analysis Batch: 665130

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 664909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:32	1
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:32	1

Lab Sample ID: LCS 680-664909/2-A

Matrix: Water

Analysis Batch: 665130

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 664909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0472		mg/L		94	80 - 120
Cobalt, Dissolved	0.0500	0.0472		mg/L		94	80 - 120

Lab Sample ID: 680-197807-8 MS

Matrix: Water

Analysis Batch: 665130

Client Sample ID: OW-15

Prep Type: Total Recoverable

Prep Batch: 664909

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	<0.010		0.0500	0.0533		mg/L		92	75 - 125
Cobalt, Dissolved	<0.010		0.0500	0.0533		mg/L		92	75 - 125

Lab Sample ID: 680-197807-8 MSD

Matrix: Water

Analysis Batch: 665130

Client Sample ID: OW-15

Prep Type: Total Recoverable

Prep Batch: 664909

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cobalt	<0.010		0.0500	0.0554		mg/L		97	75 - 125	4	20
Cobalt, Dissolved	<0.010		0.0500	0.0554		mg/L		97	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-664773/1-A

Matrix: Water

Analysis Batch: 664832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 20:34	1
Mercury, Dissolved	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 20:34	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-664773/2-A

Matrix: Water

Analysis Batch: 664832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00258		mg/L		103	80 - 120
Mercury, Dissolved	0.00250	0.00258		mg/L		103	80 - 120

Lab Sample ID: 680-197807-3 MS

Matrix: Water

Analysis Batch: 664832

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 664773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000799		mg/L		80	80 - 120

Lab Sample ID: 680-197807-3 MSD

Matrix: Water

Analysis Batch: 664832

Client Sample ID: MW-20A

Prep Type: Total/NA

Prep Batch: 664773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000806		mg/L		81	80 - 120	1	20

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

GC/MS VOA

Analysis Batch: 665968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	8260B	
680-197807-3	MW-20A	Total/NA	Water	8260B	
680-197807-5	Field Duplicate 1	Total/NA	Water	8260B	
680-197807-6	MW-15	Total/NA	Water	8260B	
680-197807-8	OW-15	Total/NA	Water	8260B	
MB 680-665968/8	Method Blank	Total/NA	Water	8260B	
LCS 680-665968/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-665968/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-197807-3 MS	MW-20A	Total/NA	Water	8260B	
680-197807-3 MSD	MW-20A	Total/NA	Water	8260B	

Analysis Batch: 666191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-10	TRIP BLANK 20210416R	Total/NA	Water	8260B	
MB 680-666191/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666191/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666191/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 665376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	3520C	
680-197807-3	MW-20A	Total/NA	Water	3520C	
680-197807-5	Field Duplicate 1	Total/NA	Water	3520C	
680-197807-6	MW-15	Total/NA	Water	3520C	
680-197807-8	OW-15	Total/NA	Water	3520C	
MB 680-665376/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665376/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-665376/14-A	Lab Control Sample	Total/NA	Water	3520C	
680-197807-3 MS	MW-20A	Total/NA	Water	3520C	
680-197807-3 MS	MW-20A	Total/NA	Water	3520C	
680-197807-3 MSD	MW-20A	Total/NA	Water	3520C	
680-197807-3 MSD	MW-20A	Total/NA	Water	3520C	

Analysis Batch: 665941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	8270D	665376
680-197807-3	MW-20A	Total/NA	Water	8270D	665376
680-197807-5	Field Duplicate 1	Total/NA	Water	8270D	665376
680-197807-6	MW-15	Total/NA	Water	8270D	665376
680-197807-8	OW-15	Total/NA	Water	8270D	665376
MB 680-665376/10-A	Method Blank	Total/NA	Water	8270D	665376
LCS 680-665376/11-A	Lab Control Sample	Total/NA	Water	8270D	665376
LCS 680-665376/14-A	Lab Control Sample	Total/NA	Water	8270D	665376
680-197807-3 MS	MW-20A	Total/NA	Water	8270D	665376
680-197807-3 MS	MW-20A	Total/NA	Water	8270D	665376
680-197807-3 MSD	MW-20A	Total/NA	Water	8270D	665376
680-197807-3 MSD	MW-20A	Total/NA	Water	8270D	665376

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

GC/MS Semi VOA

Analysis Batch: 666055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-3	MW-20A	Total/NA	Water	8270D SIM	665376
680-197807-5	Field Duplicate 1	Total/NA	Water	8270D SIM	665376
MB 680-665376/10-A	Method Blank	Total/NA	Water	8270D SIM	665376

GC Semi VOA

Prep Batch: 533387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	3510C	
680-197807-3	MW-20A	Total/NA	Water	3510C	
680-197807-5	Field Duplicate 1	Total/NA	Water	3510C	
680-197807-6	MW-15	Total/NA	Water	3510C	
680-197807-8	OW-15	Total/NA	Water	3510C	
MB 280-533387/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533387/2-A	Lab Control Sample	Total/NA	Water	3510C	
680-197807-3 MS	MW-20A	Total/NA	Water	3510C	
680-197807-3 MSD	MW-20A	Total/NA	Water	3510C	

Analysis Batch: 535256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	8141B	533387
680-197807-3	MW-20A	Total/NA	Water	8141B	533387
680-197807-5	Field Duplicate 1	Total/NA	Water	8141B	533387
680-197807-6	MW-15	Total/NA	Water	8141B	533387
680-197807-8	OW-15	Total/NA	Water	8141B	533387
MB 280-533387/1-A	Method Blank	Total/NA	Water	8141B	533387
LCS 280-533387/2-A	Lab Control Sample	Total/NA	Water	8141B	533387
680-197807-3 MS	MW-20A	Total/NA	Water	8141B	533387
680-197807-3 MSD	MW-20A	Total/NA	Water	8141B	533387

Prep Batch: 666145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-2	MW-16F	Dissolved	Water	3520C	
680-197807-4	MW-20AF	Dissolved	Water	3520C	
680-197807-7	MW-15F	Dissolved	Water	3520C	
680-197807-9	OW-15F	Dissolved	Water	3520C	
MB 680-666145/8-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666145/9-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666145/10-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 666147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	3520C	
680-197807-3	MW-20A	Total/NA	Water	3520C	
680-197807-5	Field Duplicate 1	Total/NA	Water	3520C	
680-197807-6	MW-15	Total/NA	Water	3520C	
680-197807-8	OW-15	Total/NA	Water	3520C	
MB 680-666147/19-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666147/20-A	Lab Control Sample	Total/NA	Water	3520C	
680-197807-3 MS	MW-20A	Total/NA	Water	3520C	
680-197807-3 MSD	MW-20A	Total/NA	Water	3520C	

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

GC Semi VOA

Analysis Batch: 666273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	8081B/8082A	666147
680-197807-3	MW-20A	Total/NA	Water	8081B/8082A	666147
680-197807-5	Field Duplicate 1	Total/NA	Water	8081B/8082A	666147
680-197807-6	MW-15	Total/NA	Water	8081B/8082A	666147
680-197807-8	OW-15	Total/NA	Water	8081B/8082A	666147
MB 680-666147/19-A	Method Blank	Total/NA	Water	8081B/8082A	666147
LCS 680-666147/20-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666147
680-197807-3 MS	MW-20A	Total/NA	Water	8081B/8082A	666147
680-197807-3 MSD	MW-20A	Total/NA	Water	8081B/8082A	666147

Analysis Batch: 666277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-2	MW-16F	Dissolved	Water	8081B/8082A	666145
680-197807-4	MW-20AF	Dissolved	Water	8081B/8082A	666145
680-197807-7	MW-15F	Dissolved	Water	8081B/8082A	666145
680-197807-9	OW-15F	Dissolved	Water	8081B/8082A	666145
MB 680-666145/8-A	Method Blank	Total/NA	Water	8081B/8082A	666145
LCS 680-666145/9-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666145
LCSD 680-666145/10-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	666145

Metals

Prep Batch: 664773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	7470A	
680-197807-2	MW-16F	Dissolved	Water	7470A	
680-197807-3	MW-20A	Total/NA	Water	7470A	
680-197807-5	Field Duplicate 1	Total/NA	Water	7470A	
680-197807-6	MW-15	Total/NA	Water	7470A	
680-197807-7	MW-15F	Dissolved	Water	7470A	
680-197807-8	OW-15	Total/NA	Water	7470A	
680-197807-9	OW-15F	Dissolved	Water	7470A	
MB 680-664773/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-664773/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-197807-3 MS	MW-20A	Total/NA	Water	7470A	
680-197807-3 MSD	MW-20A	Total/NA	Water	7470A	

Analysis Batch: 664832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total/NA	Water	7470A	664773
680-197807-2	MW-16F	Dissolved	Water	7470A	664773
680-197807-3	MW-20A	Total/NA	Water	7470A	664773
680-197807-5	Field Duplicate 1	Total/NA	Water	7470A	664773
680-197807-6	MW-15	Total/NA	Water	7470A	664773
680-197807-7	MW-15F	Dissolved	Water	7470A	664773
680-197807-8	OW-15	Total/NA	Water	7470A	664773
680-197807-9	OW-15F	Dissolved	Water	7470A	664773
MB 680-664773/1-A	Method Blank	Total/NA	Water	7470A	664773
LCS 680-664773/2-A	Lab Control Sample	Total/NA	Water	7470A	664773
680-197807-3 MS	MW-20A	Total/NA	Water	7470A	664773
680-197807-3 MSD	MW-20A	Total/NA	Water	7470A	664773

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Metals

Prep Batch: 664905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total Recoverable	Water	3005A	
680-197807-2	MW-16F	Dissolved	Water	3005A	
680-197807-3	MW-20A	Total Recoverable	Water	3005A	
680-197807-5	Field Duplicate 1	Total Recoverable	Water	3005A	
680-197807-6	MW-15	Total Recoverable	Water	3005A	
680-197807-9	OW-15F	Dissolved	Water	3005A	
MB 680-664905/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-664905/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-197807-3 MS	MW-20A	Total Recoverable	Water	3005A	
680-197807-3 MSD	MW-20A	Total Recoverable	Water	3005A	

Prep Batch: 664909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-7	MW-15F	Dissolved	Water	3005A	
680-197807-8	OW-15	Total Recoverable	Water	3005A	
MB 680-664909/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-664909/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-197807-8 MS	OW-15	Total Recoverable	Water	3005A	
680-197807-8 MSD	OW-15	Total Recoverable	Water	3005A	

Analysis Batch: 665130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197807-1	MW-16	Total Recoverable	Water	6010C	664905
680-197807-2	MW-16F	Dissolved	Water	6010C	664905
680-197807-3	MW-20A	Total Recoverable	Water	6010C	664905
680-197807-5	Field Duplicate 1	Total Recoverable	Water	6010C	664905
680-197807-6	MW-15	Total Recoverable	Water	6010C	664905
680-197807-7	MW-15F	Dissolved	Water	6010C	664909
680-197807-8	OW-15	Total Recoverable	Water	6010C	664909
680-197807-9	OW-15F	Dissolved	Water	6010C	664905
MB 680-664905/1-A	Method Blank	Total Recoverable	Water	6010C	664905
MB 680-664909/1-A	Method Blank	Total Recoverable	Water	6010C	664909
LCS 680-664905/2-A	Lab Control Sample	Total Recoverable	Water	6010C	664905
LCS 680-664909/2-A	Lab Control Sample	Total Recoverable	Water	6010C	664909
680-197807-3 MS	MW-20A	Total Recoverable	Water	6010C	664905
680-197807-3 MSD	MW-20A	Total Recoverable	Water	6010C	664905
680-197807-8 MS	OW-15	Total Recoverable	Water	6010C	664909
680-197807-8 MSD	OW-15	Total Recoverable	Water	6010C	664909

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-16

Lab Sample ID: 680-197807-1

Date Collected: 04/15/21 15:28

Matrix: Water

Date Received: 04/17/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665968	04/26/21 17:11	SMP	TAL SAV
	Instrument ID: CMSAB									
Total/NA	Prep	3520C			1042.8 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/26/21 19:36	T1C	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3520C			972.7 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 18:35	JCK	TAL SAV
	Instrument ID: CSGAA									
Total/NA	Prep	3510C			1026.2 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 16:04	TMC	TAL DEN
	Instrument ID: SGC_D2									
Total Recoverable	Prep	3005A			50 mL	50 mL	664905	04/20/21 10:32	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 05:36	BWR	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 21:28	BWR	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-16F

Lab Sample ID: 680-197807-2

Date Collected: 04/15/21 15:28

Matrix: Water

Date Received: 04/17/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1026.6 mL	5 mL	666145	04/27/21 17:07	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666277	04/28/21 18:43	JCK	TAL SAV
	Instrument ID: CSGJ									
Dissolved	Prep	3005A			50 mL	50 mL	664905	04/20/21 10:32	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665130	04/21/21 05:50	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Dissolved	Analysis	7470A		1			664832	04/19/21 21:33	BWR	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-20A

Lab Sample ID: 680-197807-3

Date Collected: 04/16/21 10:00

Matrix: Water

Date Received: 04/17/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665968	04/26/21 17:32	SMP	TAL SAV
	Instrument ID: CMSAB									
Total/NA	Prep	3520C			1027.7 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/26/21 19:57	T1C	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3520C			1027.7 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D SIM		1			666055	04/27/21 18:33	NED	TAL SAV
	Instrument ID: CMSX									

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: MW-20A

Date Collected: 04/16/21 10:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1028.7 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 18:49	JCK	TAL SAV
Instrument ID: CSGAA										
Total/NA	Prep	3510C			886.2 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 16:43	TMC	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	664905	04/20/21 10:32	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 05:12	BWR	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 20:44	BWR	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: MW-20AF

Date Collected: 04/16/21 10:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			983.2 mL	5 mL	666145	04/27/21 17:07	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666277	04/28/21 19:01	JCK	TAL SAV
Instrument ID: CSGJ										

Client Sample ID: Field Duplicate 1

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665968	04/26/21 17:54	SMP	TAL SAV
Instrument ID: CMSAB										
Total/NA	Prep	3520C			979.2 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/26/21 20:18	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			979.2 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D SIM		1			666055	04/27/21 19:01	NED	TAL SAV
Instrument ID: CMSX										
Total/NA	Prep	3520C			1031.7 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 19:32	JCK	TAL SAV
Instrument ID: CSGAA										
Total/NA	Prep	3510C			966 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 19:59	TMC	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	664905	04/20/21 10:32	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 05:55	BWR	TAL SAV
Instrument ID: ICPE										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: Field Duplicate 1

Lab Sample ID: 680-197807-5

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 21:38	BWR	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: MW-15

Lab Sample ID: 680-197807-6

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665968	04/26/21 18:15	SMP	TAL SAV
Instrument ID: CMSAB										
Total/NA	Prep	3520C			1015 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/26/21 20:39	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			1027.7 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 19:46	JCK	TAL SAV
Instrument ID: CSGAA										
Total/NA	Prep	3510C			1023.4 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 20:38	TMC	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	664905	04/20/21 10:32	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 06:00	BWR	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 21:43	BWR	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: MW-15F

Lab Sample ID: 680-197807-7

Date Collected: 04/16/21 00:00

Matrix: Water

Date Received: 04/17/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1031.3 mL	5 mL	666145	04/27/21 17:07	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666277	04/28/21 19:19	JCK	TAL SAV
Instrument ID: CSGJ										
Dissolved	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665130	04/21/21 04:15	BWR	TAL SAV
Instrument ID: ICPE										
Dissolved	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Dissolved	Analysis	7470A		1			664832	04/19/21 21:23	BWR	TAL SAV
Instrument ID: LEEMAN2										

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Client Sample ID: OW-15

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665968	04/26/21 18:36	SMP	TAL SAV
	Instrument ID: CMSAB									
Total/NA	Prep	3520C			981.9 mL	1 mL	665376	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/26/21 21:00	T1C	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3520C			990.1 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 20:01	JCK	TAL SAV
	Instrument ID: CSGAA									
Total/NA	Prep	3510C			1021.6 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 21:18	TMC	TAL DEN
	Instrument ID: SGC_D2									
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 03:41	BWR	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 21:13	BWR	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: OW-15F

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1023 mL	5 mL	666145	04/27/21 17:07	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666277	04/28/21 19:38	JCK	TAL SAV
	Instrument ID: CSGJ									
Dissolved	Prep	3005A			50 mL	50 mL	664905	04/20/21 10:32	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665130	04/21/21 06:05	BWR	TAL SAV
	Instrument ID: ICPE									
Dissolved	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Dissolved	Analysis	7470A		1			664832	04/19/21 21:08	BWR	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: TRIP BLANK 20210416R

Date Collected: 04/16/21 00:00

Date Received: 04/17/21 10:05

Lab Sample ID: 680-197807-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666191	04/28/21 18:08	Y1S	TAL SAV
	Instrument ID: CMSB									

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-21

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197807-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

Environment Testing
America

Client Information		Sampler: <u>STP, JA, ATV</u>	Lab PM: <u>Weinberg, Amy</u>	Carrier Tracking No(s):	COC No: <u>680-124415-46584 1</u>
Client Contact: <u>Ms. Elaine Higgins - Benjamin Smith</u>		Phone: <u>713-522-6300</u>	E-Mail: <u>amy.weinberg@eurofinset.com</u>	State of Origin:	Page: <u>Page 1 of 15</u>
Company: <u>GSI Environmental, Inc.</u>		PWSID:			Job #: <u>5739</u>
Address: <u>2211 Norfolk, Suite 1000</u>		Due Date Requested:		Analysis Requested:	
City: <u>Houston</u>		TAT Requested (days): <u>Standard</u>		Preservation Codes:	
State, Zip: <u>TX, 77098-4044</u>		Compliance Project: <u>Δ Yes Δ No</u>		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Phone: <u>713-522-6300(Tel)</u>		PO #: <u>45000000</u>		Other:	
Email: <u>ehiggins@gsi-net.com, wbsmith@gsi-net.com</u>		WO #: <u>46992652</u>			
Project Name: <u>April 2021 RCRA Ground</u>		Project #: <u>68020284</u>			
Site: <u>Ground</u>		SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other, B=Blank, A=Air)	Analysis Requested	Special Instructions/Note
MW-16	4-15-21	1528	G	Water	3 2 2 2 1	
MW-16 F	4-15-21	1528	G	Water	2 2 2 2 1	
MW-20A	4-16-21	1000	G	Water	Y 9 6 6 3 6	
MW-20A F	4-16-21	1000	G	Water	Y 9 6 6 3 6	
Field Duplicate 1	4-16-21		G	Water	3 2 2 2 1 2	
MW-15	4-16-21		G	Water	3 2 2 2 1	
MW-15 F	4-16-21		G	Water	3 2 2 2 1	
OW-15	4-16-21		G	Water	3 2 2 2 1	
OW-15 F	4-16-21		G	Water	3 2 2 2 1	
Trip Blank 20210416R	4-16-21		G	Water	3 2 2 2 1	

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Return To Client	☐ Disposal By Lab
☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify) <u>Level II</u>		Special Instructions/OC Requirements: <u>RL for 1,2 DCR, 1,4 DCR (8270D) = 1005</u>	
Empty Kit Relinquished by: <u>Shirley Robinson</u>		Method of Shipment: <u>1005</u>	
Relinquished by: <u>Shirley Robinson</u>	Date: <u>4-16-21 1720</u>	Received by: <u>[Signature]</u>	Date/Time: <u>4-17-21 1005</u>
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:
Custody Seals Intact: <u>Δ Yes Δ No</u>	Custody Seal No.:	Colder Temperature(s) °C and Other Remarks: <u>5.7/3.8/3.8/3.9/1.8/1.9/5.5/5.6/0.5/0.6/3.2/3.3</u>	



Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record



eurofins

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COG No:				
Client Contact: Shipping/Receiving		Phone:	Weinberg, Amy		680-650955.1				
Company:			E-Mail:	State of Origin:	Page:				
TestAmerica Laboratories, Inc.			amy.weinberg@eurofinset.com	Alabama	Page 1 of 1				
Address:		Accreditations Required (See note):		Job #:	Preservation Codes:				
4955 Yarrow Street,		State Program - Alabama		680-197807-1	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:				
City:		Due Date Requested:		Analysis Requested					
Arvada		4/27/2021		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - NCAH W - pH 4-5 Z - other (specify)					
State Zip:		TAT Requested (days):							
CO. 80002									
Phone:		PO #:							
303-736-0100(Tel) 303-431-7171(Fax)									
Email:		WO #:							
Project Name:		Project #:							
Anniston RCRA April 2020		68018993							
Site:		SSOW#:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8141B/3510C Parathion/Sulfotep	Total Number of Containers	Special Instructions/Note:
MW-16 (680-197807-1)	4/15/21	15:28	Central	Water		X		2	
MW-20A (680-197807-3)	4/16/21	10:00	Central	Water		X		2	
MW-20A (680-197807-3MS)	4/16/21	10:00	MS	Water		X		2	
MW-20A (680-197807-3MSD)	4/16/21	10:00	MSD	Water		X		2	
Field Duplicate 1 (680-197807-5)	4/16/21	Central		Water		X		2	
MW-15 (680-197807-6)	4/16/21	Central		Water		X		2	
OW-15 (680-197807-8)	4/16/21	Central		Water		X		2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) _____

Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: _____ Date: _____

Relinquished by: _____ Date: _____

Relinquished by: _____ Date: _____

Custody Seal Intact: ☐ Yes ☐ No

Custody Seal No.: _____

Received by: _____ Date: 4/16/2021

Received by: _____ Date: _____

Received by: _____ Date: _____

Cooler Temperature(s) °C and Other Remarks: 6/13/21 2.4/6.1 1994CF 404

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197807-1

Login Number: 197807

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Mookan, Darmal

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197807-1

Login Number: 197807

List Number: 2

Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver

List Creation: 04/20/21 03:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: RCRA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-197821-1
 Validation Date: 29 October 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197821-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: MW-12A, MW-14, OW-06A, OW-16A, OW-16AF, OW-21A, OW-21AF, MW-01B, MW-08, MW-09A, MW-11A, OW-08A, OW-08AF, MW-13A, Trip Blank 20210415

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated? <u>OW-08A, and OW-08AF</u>	☒	☐	☐	<u>WBS also sampled OW-16A, OW-16AF.</u>
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)? <u>COC. All samples are grab samples.</u>	☐	☒	☐	<u>Sample types were inadvertently left off the</u>
f) Field QC noted?	☒	☐	☐	<u>Trip Blank 20210415</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp, pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☒	☐	☐	

Note Deficiencies: Method 8270D LL LCS recovered outside of control limits for 1,4-DCB and 4-Nitrophenol. The associated sample, OW-08A, was re-prepared/ analyzed outside of holding time, but both sets of data are reported where priority was given to LCS recovery within control limits, then preparation/analysis within holding time. Internal standard recoveries of Method 8141B on CCV exceeded control limits on one column, but met the limit on the other, so no qualification is required.

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed? <u>COC. All samples are grab samples.</u>	☐	☒	☐	<u>Sample types were inadvertently left off the</u>
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☐	☒	☐	<u>Method 8270D LL for OW-08A was prepared 14 days after sample collection (i.e., >7 day holding time) for 1,4-DCB and 4-Nitrophenol.</u>
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☐	☒	☐	<u>The instrument used for Method 8270D was not calibrated to the specified reporting limit (1 ug/L) for 1,2-DCB and 1,4-DCB. As a result of dilution, a subset of analytes for Methods 8081B/8082A, 8141B, and 8260B in OW-16A and OW-21A did not achieve the appropriate RLs.</u>
f) Were any sample dilutions noted?	☒	☐	☐	<u>Dilutions noted in Method 8260B for OW-16A (DF=5) and OW-21A (DF=50), in Method 8141B for OW-21A (DF=500), in Method 8270D for OW-21A (DF=10 and 100 for 4-Nitrophenol), and in Method 8081B/8082A for OW-16A (DF=25) and OW-21A (DF=10).</u>
g) Were any matrix problems noted?	☒	☐	☐	<u>Dilution of OW-21A and OW-16A was required due to the nature of the sample matrices, which resulted in elevated RLs and surrogate recovery issues.</u>

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☐	☒	☐	<u>O,O,O-Triethylphosphorothioate recovery = 135% (Lab QC upper limit = 130%), 4-Nitrophenol recovery = 19% (Lab QC lower limit = 25%).</u>

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	
d) Were lab dup. precision criteria met (note RPD)?	☐	☒	☐	<u>Multiple LCSDs, all within RPD limits apart from 1,4-DCB RPD = 31%, 4-Nitrophenol RPD = 112% (Lab QC upper limit = 30%).</u>

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☐	☐	☒	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☐	☐	☒	

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☐	☒	☐	<u>DCB recovery in OW-16AF for Method 8081B/8082A= 12%, in OW-08AF=13% (NFG QC lower limit= 30%), TPP recovery in OW-21A for Method 8141B= 44% (Lab QC lower limit= 60%)</u>
b) Were surrogate recoveries not calculated due to dilutions?	☒	☐	☐	<u>Recoveries not calculated for Methods 8270D and 8141B in OW-21A due to dilution.</u>

Comments/Notes:

- (1) NFG=National Functional Guideline for Organic Superfund Methods Data Review.
- (2) 1,4-DCB and 1,2-DCB detections in OW-16A and OW-21A are qualified as J because detections fall between the MDL and PQL since the instrument was not calibrated to the proper RL.
- (3) Method 8270D LL for OW-08A was prepared outside of the holding time for 1,4-DCB and 4-Nitrophenol. These results were not detected; therefore, these results have been qualified as estimated UJ.
- (4) High recoveries of LCS/LCSD O,O,O-Triethylphosphorothioate for Method 8270D occurred in prep batch 664983; therefore, associated sample detections are qualified as estimated J.
- (5) Low recoveries of surrogate DCB for Method 8081B/8082A in OW-16AF and OW-08AF, and of surrogate TPP for Method 8141B in OW-21A occurred; therefore, non-detects are qualified as estimated UJ and detections are qualified as estimated J.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
OW-16A	1,2-DCB	2.4 ug/L	J	Detection between MDL and PQL
OW-16A	1,4-DCB	1.9 ug/L	J	Detection between MDL and PQL
OW-21A	1,2-DCB	17 ug/L	J	Detection between MDL and PQL
OW-08A	1,4-DCB	<1 ug/L	UJ	Extracted after holding time
OW-08A	4-Nitrophenol	<8.0 ug/L	UJ	Extracted after holding time
MW-12A	O,O,O-Triethylphosphorothioate	12 ug/L	J	LCS/LCSD recovery outside acceptance limits
OW-16AF	PCB-1016, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-16AF	PCB-1221, Dissolved	1.8 ug/L	J	Low DCB recovery
OW-16AF	PCB-1232, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-16AF	PCB-1242, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-16AF	PCB-1248, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-16AF	PCB-1254, Dissolved	<0.5 ug/L	UJ	Low DCB recovery

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

OW-16AF	PCB-1260, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-16AF	PCB-1268, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-21A	Parathion	3300 ug/L	J	Low TPP recovery
OW-21A	Sulfotepp	<81 ug/L	UJ	Low TPP recovery; elevated RL due to dilution
OW-08AF	PCB-1016, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1221, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1232, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1242, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1248, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1254, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1260, Dissolved	<0.5 ug/L	UJ	Low DCB recovery
OW-08AF	PCB-1268, Dissolved	<0.5 ug/L	UJ	Low DCB recovery

Signature: 

Date: 29 October 2021

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: RCRA Groundwater Monitoring

Project Number: 680-197821-1

Reviewer: Jessica Alanis

Validation Date: 29 October 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197821-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: MW-14, OW-06A, OW-16A, OW-16AF, OW-21A, OW-21AF, MW-01B, MW-08, MW-09A, MW-08A, MW-08AF

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	<u>WBS also sampled OW-16A and OW-16AF</u>
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)? <u>COC. All samples are grab samples.</u>	☐	☒	☐	<u>Sample types were inadvertently left off the</u>
f) Field QC noted?	☐	☒	☐	_____
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp, pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed? <u>COC. All samples are grab samples.</u>	☐	☒	☐	<u>Sample types were inadvertently left off the</u>
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	_____
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	_____
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Comments/Notes:
No data requires qualification.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason

Signature: Jessica Alanis

Date: 29 October 2021

ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

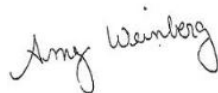
Laboratory Job ID: 680-197821-1

Client Project/Site: Anniston RCRA April 2020
Revision: 1

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
3/9/2022 12:22:58 PM

Amy Weinberg, Project Manager II
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amy.weinberg@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Savannah

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Job ID: 680-197821-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-197821-1

Comments

No additional comments.

Receipt

The samples were received on 4/17/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 2.9° C, 3.0° C, 4.0° C, 4.7° C, 4.7° C, 4.7° C, 4.9° C, 5.3° C, 5.8° C and 5.9° C.

GC/MS VOA

Method 8260B: The LCS was biased high for 1,2-Dichloroethane-d4 surrogate by 5%. All other QC and sample recoveries were acceptable and within control limits, and sample target analyte recoveries were acceptable. There is insufficient time to rerun samples in hold time, data has been qualified and reported. (LCS 680-666174/3)

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: OW-16A (680-197821-4). Elevated reporting limits (RLs) are provided.

Method 8260B: The following sample was diluted due to the abundance of non-target analytes: OW-21A (680-197821-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following analyte has been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: o,o',o''-Triethylphosphorothioate (29.6%). This analyte may have a %D >20% but must be <50% in the continuing calibration verification (CCV).

Method 8270D LL: The continuing calibration verification (CCV) analyzed in batch 680-666045 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. Batch QC and samples are within control limits for surrogate recovery.

Method 8270D LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 680-665377 and analytical batch 680-666045 recovered outside control limits for the following analyte(s): 4-Nitrophenol. 4-Nitrophenol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for this analyte. These results have been reported and qualified.

Method 8270D LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 680-665377 and analytical batch 680-666045 recovered outside control limits for the following analytes: 1,4-Dichlorobenzene.

Methods 8270D, 8270E: Surrogate 2-Fluorophenol and Phenol-d5 are outside upper control limit for the continuing calibration verification (CCV). The affected surrogates are within surrogate control limits in the CCV. All associated sample and QC surrogates recovered within control limits; therefore, the data has been reported. (CCVIS 680-666066/2)

Method 8270D: The following analyte has been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 4-Nitrophenol (36.1 %D) and o,o',o''-Triethylphosphorothioate (30.6 %D). These analytes may have a %D >20% but must be <50% in the CCV.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 680-664983 and analytical batch 680-666066 recovered outside control limits for the following analyte: o,o',o''-Triethylphosphorothioate. o,o',o''-Triethylphosphorothioate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Job ID: 680-197821-1 (Continued)

Laboratory: Eurofins Savannah (Continued)

Method 8270D: The following sample was diluted due to the nature of the sample matrix: OW-21A (680-197821-6). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D LL: The laboratory control sample (LCS) for preparation batch 680-665377 and analytical batch 680-666045 recovered outside control limits. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B/8082A: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: OW-08AF (680-197821-14). These results have been reported and qualified.

Method 8141B: The following sample was diluted due to the nature and color of the sample matrix: OW-21A (680-197821-6). Elevated reporting limits (RLs) are provided. preparation batch 280-533387 and analytical batch 280-535256.

Method 8141B: Internal standard (ISTD - Tributyl phosphate) response for the following samples exceeded the control limit on Column RTX-OPP2 Phosphated Pesticides: (CCV 280-535256/38), (CCV 280-535256/45) and (680-197807-A-3-B MS). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria. preparation batch 280-533387 and analytical batch 280-535256.

Method 8141B: The following sample was diluted to bring the concentration of target analytes within the calibration range: OW-21A (680-197821-6). Elevated reporting limits (RLs) are provided. preparation batch 280-533387 and analytical batch 280-535467.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-197821-1	MW-12A	Water	04/13/21 16:20	04/17/21 10:30
680-197821-2	MW-14	Water	04/14/21 16:10	04/17/21 10:30
680-197821-3	OW-06A	Water	04/14/21 18:38	04/17/21 10:30
680-197821-4	OW-16A	Water	04/15/21 10:17	04/17/21 10:30
680-197821-5	OW-16AF	Water	04/15/21 10:17	04/17/21 10:30
680-197821-6	OW-21A	Water	04/15/21 10:19	04/17/21 10:30
680-197821-7	OW-21AF	Water	04/15/21 10:19	04/17/21 10:30
680-197821-8	MW-01B	Water	04/14/21 09:55	04/17/21 10:30
680-197821-9	MW-08	Water	04/14/21 17:46	04/17/21 10:30
680-197821-10	MW-09A	Water	04/14/21 13:27	04/17/21 10:30
680-197821-11	MW-11A	Water	04/14/21 10:36	04/17/21 10:30
680-197821-13	OW-08A	Water	04/15/21 12:16	04/17/21 10:30
680-197821-14	OW-08AF	Water	04/15/21 12:16	04/17/21 10:30
680-197821-15	MW-13A	Water	04/13/21 16:43	04/17/21 10:30
680-197821-17	Trip Blank 20210415	Water	04/13/21 00:00	04/17/21 10:30

Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-12A

Lab Sample ID: 680-197821-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o,o',o"-Triethylphosphorothioate	12	*+	10	0.99	ug/L	1		8270D	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 680-197821-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.039		0.010	0.0010	mg/L	1		6010C	Total Recoverable

Client Sample ID: OW-06A

Lab Sample ID: 680-197821-3

No Detections.

Client Sample ID: OW-16A

Lab Sample ID: 680-197821-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	350		13	13	ug/L	5		8260B	Total/NA
1,2-Dichlorobenzene	2.4	J	1.0	0.57	ug/L	1		8270D	Total/NA
1,4-Dichlorobenzene	1.9	J	1.0	0.58	ug/L	1		8270D	Total/NA
PCB-1221	83		2.6	2.6	ug/L	25		8081B/8082A	Total/NA
PCB-1248	29		2.8	2.8	ug/L	25		8081B/8082A	Total/NA
PCB-1254	15		1.5	1.5	ug/L	25		8081B/8082A	Total/NA
Parathion	9.3		1.0	0.16	ug/L	1		8141B	Total/NA
Cobalt	0.040		0.010	0.0010	mg/L	1		6010C	Total Recoverable
Manganese	0.84		0.010	0.0010	mg/L	1		6010C	Total Recoverable

Client Sample ID: OW-16AF

Lab Sample ID: 680-197821-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1221, Dissolved	1.8		0.50	0.094	ug/L	1		8081B/8082A	Dissolved
Cobalt, Dissolved	0.040		0.010	0.0010	mg/L	1		6010C	Dissolved
Manganese, Dissolved	0.86		0.010	0.0010	mg/L	1		6010C	Dissolved

Client Sample ID: OW-21A

Lab Sample ID: 680-197821-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	17	J	5.2	5.2	ug/L	10		8270D	Total/NA
o,o',o"-Triethylphosphorothioate	270		10	9.8	ug/L	10		8270D	Total/NA
4-Nitrophenol - DL	18000		190	190	ug/L	100		8270D	Total/NA
PCB-1221	15	p	0.91	0.91	ug/L	10		8081B/8082A	Total/NA
PCB-1248	40		1.0	1.0	ug/L	10		8081B/8082A	Total/NA
PCB-1254	17		0.53	0.53	ug/L	10		8081B/8082A	Total/NA
PCB-1260	1.8		0.50	0.058	ug/L	1		8081B/8082A	Total/NA
Parathion	3300		69	69	ug/L	500		8141B	Total/NA
Cobalt	0.035		0.010	0.0010	mg/L	1		6010C	Total Recoverable
Manganese	0.88		0.010	0.0010	mg/L	1		6010C	Total Recoverable

Client Sample ID: OW-21AF

Lab Sample ID: 680-197821-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt, Dissolved	0.034		0.010	0.0010	mg/L	1		6010C	Dissolved
Manganese, Dissolved	0.82		0.010	0.0010	mg/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-01B

Lab Sample ID: 680-197821-8

No Detections.

Client Sample ID: MW-08

Lab Sample ID: 680-197821-9

No Detections.

Client Sample ID: MW-09A

Lab Sample ID: 680-197821-10

No Detections.

Client Sample ID: MW-11A

Lab Sample ID: 680-197821-11

No Detections.

Client Sample ID: OW-08A

Lab Sample ID: 680-197821-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	4.2		0.50	0.10	ug/L	1		8081B/8082A	Total/NA
PCB-1254	2.1		0.50	0.054	ug/L	1		8081B/8082A	Total/NA
PCB-1260	1.2		0.50	0.059	ug/L	1		8081B/8082A	Total/NA

Client Sample ID: OW-08AF

Lab Sample ID: 680-197821-14

No Detections.

Client Sample ID: MW-13A

Lab Sample ID: 680-197821-15

No Detections.

Client Sample ID: Trip Blank 20210415

Lab Sample ID: 680-197821-17

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-12A

Lab Sample ID: 680-197821-1

Date Collected: 04/13/21 16:20

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/20/21 17:50	04/27/21 17:43	1
o,o',o''-Triethylphosphorothioate	12	++	10	0.99	ug/L		04/20/21 17:50	04/27/21 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		32 - 113				04/20/21 17:50	04/27/21 17:43	1
2-Fluorophenol	63		26 - 109				04/20/21 17:50	04/27/21 17:43	1
Nitrobenzene-d5	75		32 - 118				04/20/21 17:50	04/27/21 17:43	1
Phenol-d5	73		27 - 110				04/20/21 17:50	04/27/21 17:43	1
Terphenyl-d14	79		10 - 126				04/20/21 17:50	04/27/21 17:43	1
2,4,6-Tribromophenol	88		39 - 124				04/20/21 17:50	04/27/21 17:43	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1221	<0.50		0.50	0.097	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1242	<0.50		0.50	0.097	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1254	<0.50		0.50	0.056	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1260	<0.50		0.50	0.061	ug/L		04/27/21 15:39	04/28/21 20:15	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		14 - 130				04/27/21 15:39	04/28/21 20:15	1
Tetrachloro-m-xylene	67		40 - 130				04/27/21 15:39	04/28/21 20:15	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/20/21 11:49	05/07/21 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	85		60 - 154				04/20/21 11:49	05/07/21 05:36	1

Client Sample ID: MW-14

Lab Sample ID: 680-197821-2

Date Collected: 04/14/21 16:10

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130					04/28/21 17:14	1
1,2-Dichloroethane-d4 (Surr)	118		60 - 124					04/28/21 17:14	1
Dibromofluoromethane (Surr)	116		70 - 130					04/28/21 17:14	1
4-Bromofluorobenzene (Surr)	102		70 - 130					04/28/21 17:14	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/21/21 18:34	04/27/21 00:32	1
1,4-Dichlorobenzene	<1.0		1.0	0.53	ug/L		04/21/21 18:34	04/27/21 00:32	1
4-Nitrophenol	<25		25	1.8	ug/L		04/21/21 18:34	04/27/21 00:32	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-14

Date Collected: 04/14/21 16:10

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o,o',o"-Triethylphosphorothioate	<10		10	0.97	ug/L		04/21/21 18:34	04/27/21 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		32 - 113				04/21/21 18:34	04/27/21 00:32	1
2-Fluorophenol	69		26 - 109				04/21/21 18:34	04/27/21 00:32	1
Nitrobenzene-d5	80		32 - 118				04/21/21 18:34	04/27/21 00:32	1
Phenol-d5	81		27 - 110				04/21/21 18:34	04/27/21 00:32	1
Terphenyl-d14	68		10 - 126				04/21/21 18:34	04/27/21 00:32	1
2,4,6-Tribromophenol	73		39 - 124				04/21/21 18:34	04/27/21 00:32	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/27/21 15:39	04/28/21 20:29	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	38		14 - 130				04/27/21 15:39	04/28/21 20:29	1
Tetrachloro-m-xylene	81		40 - 130				04/27/21 15:39	04/28/21 20:29	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 08:12	1
Sulfotepp	<1.5		1.5	0.16	ug/L		04/21/21 17:33	05/07/21 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	102		60 - 154				04/21/21 17:33	05/07/21 08:12	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:19	1
Manganese	0.039		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 21:48	1

Client Sample ID: OW-06A

Date Collected: 04/14/21 18:38

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/25/21 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130					04/25/21 19:55	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-06A

Lab Sample ID: 680-197821-3

Date Collected: 04/14/21 18:38

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		60 - 124		04/25/21 19:55	1
Dibromofluoromethane (Surr)	106		70 - 130		04/25/21 19:55	1
4-Bromofluorobenzene (Surr)	92		70 - 130		04/25/21 19:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.51	ug/L		04/21/21 18:34	04/27/21 00:54	1
1,4-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/21/21 18:34	04/27/21 00:54	1
4-Nitrophenol	<25		25	1.8	ug/L		04/21/21 18:34	04/27/21 00:54	1
o,o',o"-Triethylphosphorothioate	<10		10	0.96	ug/L		04/21/21 18:34	04/27/21 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		32 - 113	04/21/21 18:34	04/27/21 00:54	1
2-Fluorophenol	59		26 - 109	04/21/21 18:34	04/27/21 00:54	1
Nitrobenzene-d5	71		32 - 118	04/21/21 18:34	04/27/21 00:54	1
Phenol-d5	67		27 - 110	04/21/21 18:34	04/27/21 00:54	1
Terphenyl-d14	70		10 - 126	04/21/21 18:34	04/27/21 00:54	1
2,4,6-Tribromophenol	70		39 - 124	04/21/21 18:34	04/27/21 00:54	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/27/21 15:39	04/28/21 20:43	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		14 - 130	04/27/21 15:39	04/28/21 20:43	1
Tetrachloro-m-xylene	63		40 - 130	04/27/21 15:39	04/28/21 20:43	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 08:52	1
Sulfotepp	<1.5		1.5	0.16	ug/L		04/21/21 17:33	05/07/21 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	84		60 - 154	04/21/21 17:33	05/07/21 08:52	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 22:13	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-16A

Lab Sample ID: 680-197821-4

Date Collected: 04/15/21 10:17

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.3		1.3	1.3	ug/L			04/28/21 17:53	5
1,2,4-Trichlorobenzene	350		13	13	ug/L			04/28/21 17:53	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130					04/28/21 17:53	5
1,2-Dichloroethane-d4 (Surr)	102		60 - 124					04/28/21 17:53	5
Dibromofluoromethane (Surr)	109		70 - 130					04/28/21 17:53	5
4-Bromofluorobenzene (Surr)	94		70 - 130					04/28/21 17:53	5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	2.4	J	1.0	0.57	ug/L		04/21/21 18:34	04/27/21 01:15	1
1,4-Dichlorobenzene	1.9	J	1.0	0.58	ug/L		04/21/21 18:34	04/27/21 01:15	1
4-Nitrophenol	<25		25	2.0	ug/L		04/21/21 18:34	04/27/21 01:15	1
o,o',o"-Triethylphosphorothioate	<10		10	1.1	ug/L		04/21/21 18:34	04/27/21 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		32 - 113				04/21/21 18:34	04/27/21 01:15	1
2-Fluorophenol	74		26 - 109				04/21/21 18:34	04/27/21 01:15	1
Nitrobenzene-d5	110		32 - 118				04/21/21 18:34	04/27/21 01:15	1
Phenol-d5	83		27 - 110				04/21/21 18:34	04/27/21 01:15	1
Terphenyl-d14	71		10 - 126				04/21/21 18:34	04/27/21 01:15	1
2,4,6-Tribromophenol	89		39 - 124				04/21/21 18:34	04/27/21 01:15	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.097	ug/L		04/27/21 15:39	04/28/21 20:58	1
PCB-1221	83		2.6	2.6	ug/L		04/27/21 15:39	04/29/21 17:25	25
PCB-1232	<0.50		0.50	0.14	ug/L		04/27/21 15:39	04/28/21 20:58	1
PCB-1242	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 20:58	1
PCB-1248	29		2.8	2.8	ug/L		04/27/21 15:39	04/29/21 17:25	25
PCB-1254	15		1.5	1.5	ug/L		04/27/21 15:39	04/29/21 17:25	25
PCB-1260	<0.50		0.50	0.065	ug/L		04/27/21 15:39	04/28/21 20:58	1
PCB-1268	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		14 - 130				04/27/21 15:39	04/28/21 20:58	1
Tetrachloro-m-xylene	77	p	40 - 130				04/27/21 15:39	04/28/21 20:58	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	9.3		1.0	0.16	ug/L		04/21/21 17:33	05/07/21 10:49	1
Sulfotepp	<1.5		1.5	0.19	ug/L		04/21/21 17:33	05/07/21 10:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	108		60 - 154				04/21/21 17:33	05/07/21 10:49	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.040		0.010	0.0010	mg/L		04/20/21 11:22	04/21/21 06:53	1
Manganese	0.84		0.010	0.0010	mg/L		04/20/21 11:22	04/21/21 06:53	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-16A

Date Collected: 04/15/21 10:17

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-4

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 15:53	04/23/21 17:39	1

Client Sample ID: OW-16AF

Date Collected: 04/15/21 10:17

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-5

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.089	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1221, Dissolved	1.8		0.50	0.094	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1242, Dissolved	<0.50		0.50	0.094	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/27/21 17:07	04/28/21 19:56	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	12	S1-	14 - 130				04/27/21 17:07	04/28/21 19:56	1
Tetrachloro-m-xylene	103		40 - 130				04/27/21 17:07	04/28/21 19:56	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	0.040		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:26	1
Manganese, Dissolved	0.86		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 15:53	04/23/21 17:44	1

Client Sample ID: OW-21A

Date Collected: 04/15/21 10:19

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<13		13	13	ug/L			04/28/21 18:13	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130					04/28/21 18:13	50
1,2-Dichloroethane-d4 (Surr)	102		60 - 124					04/28/21 18:13	50
Dibromofluoromethane (Surr)	106		70 - 130					04/28/21 18:13	50
4-Bromofluorobenzene (Surr)	96		70 - 130					04/28/21 18:13	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	17	J	5.2	5.2	ug/L		04/21/21 18:34	04/27/21 16:39	10
1,4-Dichlorobenzene	<5.3		5.3	5.3	ug/L		04/21/21 18:34	04/27/21 16:39	10
o,o',o"-Triethylphosphorothioate	270		10	9.8	ug/L		04/21/21 18:34	04/27/21 16:39	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	D	32 - 113				04/21/21 18:34	04/27/21 16:39	10

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-21A

Lab Sample ID: 680-197821-6

Date Collected: 04/15/21 10:19

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	0	D	26 - 109	04/21/21 18:34	04/27/21 16:39	10
Nitrobenzene-d5	0	D	32 - 118	04/21/21 18:34	04/27/21 16:39	10
Phenol-d5	0	D	27 - 110	04/21/21 18:34	04/27/21 16:39	10
Terphenyl-d14	0	D	10 - 126	04/21/21 18:34	04/27/21 16:39	10
2,4,6-Tribromophenol	0	D	39 - 124	04/21/21 18:34	04/27/21 16:39	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	18000		190	190	ug/L		04/21/21 18:34	04/27/21 17:00	100

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/27/21 15:39	04/28/21 21:12	1
PCB-1221	15	p	0.91	0.91	ug/L		04/27/21 15:39	04/29/21 17:41	10
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:12	1
PCB-1242	<0.50		0.50	0.091	ug/L		04/27/21 15:39	04/28/21 21:12	1
PCB-1248	40		1.0	1.0	ug/L		04/27/21 15:39	04/29/21 17:41	10
PCB-1254	17		0.53	0.53	ug/L		04/27/21 15:39	04/29/21 17:41	10
PCB-1260	1.8		0.50	0.058	ug/L		04/27/21 15:39	04/28/21 21:12	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	57		14 - 130	04/27/21 15:39	04/28/21 21:12	1
Tetrachloro-m-xylene	64		40 - 130	04/27/21 15:39	04/28/21 21:12	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	3300		69	69	ug/L		04/21/21 17:33	05/08/21 16:36	500
Sulfotepp	<81		81	81	ug/L		04/21/21 17:33	05/08/21 16:36	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	44	S1- D	60 - 154	04/21/21 17:33	05/08/21 16:36	500

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.035		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:34	1
Manganese	0.88		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 22:18	1

Client Sample ID: OW-21AF

Lab Sample ID: 680-197821-7

Date Collected: 04/15/21 10:19

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.086	ug/L		04/30/21 18:23	05/03/21 21:14	1
PCB-1221, Dissolved	<0.50		0.50	0.091	ug/L		04/30/21 18:23	05/03/21 21:14	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/30/21 18:23	05/03/21 21:14	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-21AF

Lab Sample ID: 680-197821-7

Date Collected: 04/15/21 10:19

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242, Dissolved	<0.50		0.50	0.091	ug/L		04/30/21 18:23	05/03/21 21:14	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/30/21 18:23	05/03/21 21:14	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/30/21 18:23	05/03/21 21:14	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/30/21 18:23	05/03/21 21:14	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/30/21 18:23	05/03/21 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	14		14 - 130	04/30/21 18:23	05/03/21 21:14	1
Tetrachloro-m-xylene	44	p	40 - 130	04/30/21 18:23	05/03/21 21:14	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	0.034		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:53	1
Manganese, Dissolved	0.82		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 15:53	04/23/21 17:49	1

Client Sample ID: MW-01B

Lab Sample ID: 680-197821-8

Date Collected: 04/14/21 09:55

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/25/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		04/25/21 20:19	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		04/25/21 20:19	1
Dibromofluoromethane (Surr)	107		70 - 130		04/25/21 20:19	1
4-Bromofluorobenzene (Surr)	93		70 - 130		04/25/21 20:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/21/21 18:34	04/27/21 01:58	1
1,4-Dichlorobenzene	<1.0		1.0	0.53	ug/L		04/21/21 18:34	04/27/21 01:58	1
4-Nitrophenol	<25		25	1.8	ug/L		04/21/21 18:34	04/27/21 01:58	1
o,o',o"-Triethylphosphorothioate	<10		10	0.97	ug/L		04/21/21 18:34	04/27/21 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		32 - 113	04/21/21 18:34	04/27/21 01:58	1
2-Fluorophenol	64		26 - 109	04/21/21 18:34	04/27/21 01:58	1
Nitrobenzene-d5	85		32 - 118	04/21/21 18:34	04/27/21 01:58	1
Phenol-d5	69		27 - 110	04/21/21 18:34	04/27/21 01:58	1
Terphenyl-d14	67		10 - 126	04/21/21 18:34	04/27/21 01:58	1
2,4,6-Tribromophenol	86		39 - 124	04/21/21 18:34	04/27/21 01:58	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/27/21 15:39	04/28/21 21:26	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-01B

Lab Sample ID: 680-197821-8

Date Collected: 04/14/21 09:55

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 21:26	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:26	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 21:26	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 21:26	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/27/21 15:39	04/28/21 21:26	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/27/21 15:39	04/28/21 21:26	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	57		14 - 130				04/27/21 15:39	04/28/21 21:26	1
Tetrachloro-m-xylene	98		40 - 130				04/27/21 15:39	04/28/21 21:26	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 12:08	1
Tetraethyldithiopyrophosphate	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 12:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	92		60 - 154				04/21/21 17:33	05/07/21 12:08	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:43	04/19/21 22:28	1

Client Sample ID: MW-08

Lab Sample ID: 680-197821-9

Date Collected: 04/14/21 17:46

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/25/21 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130					04/25/21 20:42	1
1,2-Dichloroethane-d4 (Surr)	94		60 - 124					04/25/21 20:42	1
Dibromofluoromethane (Surr)	108		70 - 130					04/25/21 20:42	1
4-Bromofluorobenzene (Surr)	92		70 - 130					04/25/21 20:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.51	ug/L		04/21/21 18:34	04/27/21 02:19	1
1,4-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/21/21 18:34	04/27/21 02:19	1
4-Nitrophenol	<25		25	1.8	ug/L		04/21/21 18:34	04/27/21 02:19	1
o,o',o"-Triethylphosphorothioate	<10		10	0.95	ug/L		04/21/21 18:34	04/27/21 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		32 - 113				04/21/21 18:34	04/27/21 02:19	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-08

Date Collected: 04/14/21 17:46

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-9

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	64		26 - 109	04/21/21 18:34	04/27/21 02:19	1
Nitrobenzene-d5	73		32 - 118	04/21/21 18:34	04/27/21 02:19	1
Phenol-d5	73		27 - 110	04/21/21 18:34	04/27/21 02:19	1
Terphenyl-d14	63		10 - 126	04/21/21 18:34	04/27/21 02:19	1
2,4,6-Tribromophenol	75		39 - 124	04/21/21 18:34	04/27/21 02:19	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1221	<0.50		0.50	0.098	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1242	<0.50		0.50	0.098	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1254	<0.50		0.50	0.057	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1260	<0.50		0.50	0.062	ug/L		04/27/21 15:39	04/28/21 20:51	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 20:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	63		14 - 130				04/27/21 15:39	04/28/21 20:51	1
Tetrachloro-m-xylene	85		40 - 130				04/27/21 15:39	04/28/21 20:51	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.15	ug/L		04/21/21 17:33	05/07/21 12:47	1
Sulfotepp	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	86		60 - 154				04/21/21 17:33	05/07/21 12:47	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 22:03	1

Client Sample ID: MW-09A

Date Collected: 04/14/21 13:27

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L	-		04/25/21 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130					04/25/21 21:06	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124					04/25/21 21:06	1
Dibromofluoromethane (Surr)	109		70 - 130					04/25/21 21:06	1
4-Bromofluorobenzene (Surr)	90		70 - 130					04/25/21 21:06	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-09A

Lab Sample ID: 680-197821-10

Date Collected: 04/14/21 13:27

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.51	ug/L		04/21/21 18:34	04/27/21 02:40	1
1,4-Dichlorobenzene	<1.0		1.0	0.52	ug/L		04/21/21 18:34	04/27/21 02:40	1
4-Nitrophenol	<25		25	1.8	ug/L		04/21/21 18:34	04/27/21 02:40	1
o,o',o"-Triethylphosphorothioate	<10		10	0.97	ug/L		04/21/21 18:34	04/27/21 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		32 - 113				04/21/21 18:34	04/27/21 02:40	1
2-Fluorophenol	62		26 - 109				04/21/21 18:34	04/27/21 02:40	1
Nitrobenzene-d5	80		32 - 118				04/21/21 18:34	04/27/21 02:40	1
Phenol-d5	71		27 - 110				04/21/21 18:34	04/27/21 02:40	1
Terphenyl-d14	59		10 - 126				04/21/21 18:34	04/27/21 02:40	1
2,4,6-Tribromophenol	76		39 - 124				04/21/21 18:34	04/27/21 02:40	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1221	<0.50		0.50	0.095	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1242	<0.50		0.50	0.095	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1254	<0.50		0.50	0.055	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1260	<0.50		0.50	0.060	ug/L		04/27/21 15:39	04/28/21 21:10	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		14 - 130				04/27/21 15:39	04/28/21 21:10	1
Tetrachloro-m-xylene	74		40 - 130				04/27/21 15:39	04/28/21 21:10	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.15	ug/L		04/21/21 17:33	05/07/21 13:27	1
Sulfotepp	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	87		60 - 154				04/21/21 17:33	05/07/21 13:27	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 04:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 22:08	1

Client Sample ID: MW-11A

Lab Sample ID: 680-197821-11

Date Collected: 04/14/21 10:36

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		04/21/21 18:34	04/27/21 03:01	1
o,o',o"-Triethylphosphorothioate	<10		10	0.96	ug/L		04/21/21 18:34	04/27/21 03:01	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-11A

Lab Sample ID: 680-197821-11

Date Collected: 04/14/21 10:36

Matrix: Water

Date Received: 04/17/21 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		32 - 113	04/21/21 18:34	04/27/21 03:01	1
2-Fluorophenol	67		26 - 109	04/21/21 18:34	04/27/21 03:01	1
Nitrobenzene-d5	80		32 - 118	04/21/21 18:34	04/27/21 03:01	1
Phenol-d5	79		27 - 110	04/21/21 18:34	04/27/21 03:01	1
Terphenyl-d14	65		10 - 126	04/21/21 18:34	04/27/21 03:01	1
2,4,6-Tribromophenol	76		39 - 124	04/21/21 18:34	04/27/21 03:01	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1221	<0.50		0.50	0.091	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1242	<0.50		0.50	0.091	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/27/21 15:39	04/28/21 21:28	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	40		14 - 130	04/27/21 15:39	04/28/21 21:28	1
Tetrachloro-m-xylene	73		40 - 130	04/27/21 15:39	04/28/21 21:28	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.15	ug/L		04/21/21 17:33	05/07/21 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	84		60 - 154	04/21/21 17:33	05/07/21 14:06	1

Client Sample ID: OW-08A

Lab Sample ID: 680-197821-13

Date Collected: 04/15/21 12:16

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		04/28/21 14:58	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124		04/28/21 14:58	1
Dibromofluoromethane (Surr)	86		70 - 130		04/28/21 14:58	1
4-Bromofluorobenzene (Surr)	87		70 - 130		04/28/21 14:58	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.10	ug/L		04/22/21 18:37	04/27/21 16:00	1
1,4-Dichlorobenzene	<1.0	*1	1.0	0.10	ug/L		04/22/21 18:37	04/27/21 16:00	1
o,o',o"-Triethylphosphorothioate	<1.0		1.0	0.13	ug/L		04/22/21 18:37	04/27/21 16:00	1
4-Nitrophenol	<8.0	*- *1	8.0	4.0	ug/L		04/22/21 18:37	04/27/21 16:00	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	0.10	ug/L		04/22/21 18:37	04/27/21 16:00	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-08A

Lab Sample ID: 680-197821-13

Date Collected: 04/15/21 12:16

Matrix: Water

Date Received: 04/17/21 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	112		39 - 133	04/22/21 18:37	04/27/21 16:00	1
2-Fluorobiphenyl	71		31 - 107	04/22/21 18:37	04/27/21 16:00	1
2-Fluorophenol	66		18 - 112	04/22/21 18:37	04/27/21 16:00	1
Terphenyl-d14	87		22 - 121	04/22/21 18:37	04/27/21 16:00	1
Phenol-d5	61		20 - 113	04/22/21 18:37	04/27/21 16:00	1
Nitrobenzene-d5	74		37 - 103	04/22/21 18:37	04/27/21 16:00	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0	H	1.0	0.096	ug/L		04/29/21 18:12	05/03/21 12:56	1
1,4-Dichlorobenzene	<1.0	H	1.0	0.096	ug/L		04/29/21 18:12	05/03/21 12:56	1
o,o',o"-Triethylphosphorothioate	<1.0	H	1.0	0.12	ug/L		04/29/21 18:12	05/03/21 12:56	1
4-Nitrophenol	<8.0	H	8.0	3.8	ug/L		04/29/21 18:12	05/03/21 12:56	1
Indeno[1,2,3-cd]pyrene	<0.20	H	0.20	0.096	ug/L		04/29/21 18:12	05/03/21 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		39 - 133	04/29/21 18:12	05/03/21 12:56	1
2-Fluorobiphenyl	65		31 - 107	04/29/21 18:12	05/03/21 12:56	1
2-Fluorophenol	64		18 - 112	04/29/21 18:12	05/03/21 12:56	1
Terphenyl-d14	88		22 - 121	04/29/21 18:12	05/03/21 12:56	1
Phenol-d5	64		20 - 113	04/29/21 18:12	05/03/21 12:56	1
Nitrobenzene-d5	70		37 - 103	04/29/21 18:12	05/03/21 12:56	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1248	4.2		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1254	2.1		0.50	0.054	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1260	1.2		0.50	0.059	ug/L		04/27/21 15:39	04/28/21 22:05	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		14 - 130	04/27/21 15:39	04/28/21 22:05	1
Tetrachloro-m-xylene	76		40 - 130	04/27/21 15:39	04/28/21 22:05	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 15:24	1
Sulfotepp	<1.5		1.5	0.16	ug/L		04/21/21 17:33	05/07/21 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	93		60 - 154	04/21/21 17:33	05/07/21 15:24	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 11:22	04/21/21 06:57	1
Manganese	<0.010		0.010	0.0010	mg/L		04/20/21 11:22	04/21/21 06:57	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-08A

Date Collected: 04/15/21 12:16

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-13

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 15:53	04/23/21 17:54	1

Client Sample ID: OW-08AF

Date Collected: 04/15/21 12:16

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-14

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.086	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1221, Dissolved	<0.50		0.50	0.091	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1242, Dissolved	<0.50		0.50	0.091	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/27/21 17:07	04/28/21 20:33	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	13	S1-	14 - 130	04/27/21 17:07	04/28/21 20:33	1
Tetrachloro-m-xylene	69		40 - 130	04/27/21 17:07	04/28/21 20:33	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:31	1
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 15:53	04/23/21 17:59	1

Client Sample ID: MW-13A

Date Collected: 04/13/21 16:43

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-15

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		04/20/21 17:50	04/27/21 18:04	1
o,o',o"-Triethylphosphorothioate	<10	*+	10	0.97	ug/L		04/20/21 17:50	04/27/21 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		32 - 113	04/20/21 17:50	04/27/21 18:04	1
2-Fluorophenol	65		26 - 109	04/20/21 17:50	04/27/21 18:04	1
Nitrobenzene-d5	85		32 - 118	04/20/21 17:50	04/27/21 18:04	1
Phenol-d5	84		27 - 110	04/20/21 17:50	04/27/21 18:04	1
Terphenyl-d14	80		10 - 126	04/20/21 17:50	04/27/21 18:04	1
2,4,6-Tribromophenol	94		39 - 124	04/20/21 17:50	04/27/21 18:04	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/27/21 15:39	04/28/21 22:23	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 22:23	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 22:23	1

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Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-13A

Lab Sample ID: 680-197821-15

Date Collected: 04/13/21 16:43

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 22:23	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 22:23	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/27/21 15:39	04/28/21 22:23	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/27/21 15:39	04/28/21 22:23	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		14 - 130				04/27/21 15:39	04/28/21 22:23	1
Tetrachloro-m-xylene	73		40 - 130				04/27/21 15:39	04/28/21 22:23	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/20/21 11:49	05/07/21 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	83		60 - 154				04/20/21 11:49	05/07/21 06:15	1

Client Sample ID: Trip Blank 20210415

Lab Sample ID: 680-197821-17

Date Collected: 04/13/21 00:00

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/25/21 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130					04/25/21 14:25	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124					04/25/21 14:25	1
Dibromofluoromethane (Surr)	107		70 - 130					04/25/21 14:25	1
4-Bromofluorobenzene (Surr)	93		70 - 130					04/25/21 14:25	1

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DCA (60-124)	DBFM (70-130)	BFB (70-130)
680-197821-2	MW-14	108	118	116	102
680-197821-3	OW-06A	100	94	106	92
680-197821-4	OW-16A	91	102	109	94
680-197821-6	OW-21A	93	102	106	96
680-197821-8	MW-01B	101	92	107	93
680-197821-9	MW-08	101	94	108	92
680-197821-10	MW-09A	101	93	109	90
680-197821-13	OW-08A	92	75	86	87
680-197821-17	Trip Blank 20210415	100	91	107	93
LCS 680-665731/4	Lab Control Sample	111	101	117	92
LCS 680-666174/3	Lab Control Sample	113	129 S1+	123	101
LCS 680-666191/3	Lab Control Sample	100	89	101	93
LCS 680-666216/3	Lab Control Sample	110	121	118	108
LCSD 680-665731/5	Lab Control Sample Dup	111	101	116	94
LCSD 680-666174/4	Lab Control Sample Dup	112	119	116	97
LCSD 680-666191/4	Lab Control Sample Dup	100	84	99	95
LCSD 680-666216/4	Lab Control Sample Dup	109	111	112	110
MB 680-665731/9	Method Blank	100	90	106	92
MB 680-666174/8	Method Blank	111	118	116	99
MB 680-666191/8	Method Blank	91	77	87	87
MB 680-666216/8	Method Blank	93	104	113	92

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
680-197821-1	MW-12A	79	63	75	73	79	88
680-197821-2	MW-14	79	69	80	81	68	73
680-197821-3	OW-06A	69	59	71	67	70	70
680-197821-4	OW-16A	85	74	110	83	71	89
680-197821-6	OW-21A	0 D	0 D	0 D	0 D	0 D	0 D
680-197821-8	MW-01B	86	64	85	69	67	86
680-197821-9	MW-08	74	64	73	73	63	75
680-197821-10	MW-09A	77	62	80	71	59	76
680-197821-11	MW-11A	76	67	80	79	65	76
680-197821-15	MW-13A	84	65	85	84	80	94
LCS 680-664983/23-A	Lab Control Sample	93	72	106	88	76	103
LCS 680-665238/11-A	Lab Control Sample	84	78	84	82	79	94
LCS 680-665238/13-A	Lab Control Sample	92	76	96	86	78	92
LCSD 680-664983/24-A	Lab Control Sample Dup	91	75	99	84	78	101
LCSD 680-665238/12-A	Lab Control Sample Dup	69	65	69	70	70	72
LCSD 680-665238/14-A	Lab Control Sample Dup	91	76	101	84	78	92

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Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
MB 680-664983/14-A	Method Blank	100	85	104	95	81	106
MB 680-665238/10-A	Method Blank	92	74	96	82	74	98

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-133)	FBP (31-107)	2FP (18-112)	TPHL (22-121)	PHL (20-113)	NBZ (37-103)
680-197821-13	OW-08A	112	71	66	87	61	74
680-197821-13 - RE	OW-08A	80	65	64	88	64	70
LCS 680-665377/7-A	Lab Control Sample	88	62	22	76	13 S1-	58
LCS 680-665377/9-A	Lab Control Sample	116	77	73	85	64	77
LCS 680-666449/14-A	Lab Control Sample	91	75	69	89	67	75
LCS 680-666449/16-A	Lab Control Sample	85	71	69	91	65	71
LCSD 680-665377/10-A	Lab Control Sample Dup	111	74	75	92	74	82
LCSD 680-665377/8-A	Lab Control Sample Dup	114	74	72	99	65	77
LCSD 680-666449/15-A	Lab Control Sample Dup	91	73	73	89	70	74
LCSD 680-666449/17-A	Lab Control Sample Dup	85	72	68	88	63	71
MB 680-665377/6-A	Method Blank	110	70	71	78	65	72
MB 680-666449/13-A	Method Blank	87	76	68	98	67	69

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
TPHL = Terphenyl-d14
PHL = Phenol-d5
NBZ = Nitrobenzene-d5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (14-130)	TCX2 (40-130)
680-197807-D-3-B MS	Matrix Spike	23	66
680-197821-4	OW-16A	69	77 p

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX2 (40-130)
680-197807-D-3-C MSD	Matrix Spike Duplicate	40	62
680-197821-8	MW-01B	57	98
MB 680-666147/19-A	Method Blank	78	79
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX1 (40-130)
680-197821-1	MW-12A	71	67
680-197821-2	MW-14	38	81
680-197821-3	OW-06A	82	63
680-197821-6	OW-21A	57	64
680-197821-13	OW-08A	75	76
LCS 680-666145/9-A	Lab Control Sample	80	92
LCS 680-666147/20-A	Lab Control Sample	76	77
LCS 680-666729/20-A	Lab Control Sample	88	68
LCSD 680-666145/10-A	Lab Control Sample Dup	75	86
LCSD 680-666729/21-A	Lab Control Sample Dup	87	68
MB 680-666145/8-A	Method Blank	93	87
MB 680-666729/15-A	Method Blank	82	70
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX1 (40-130)
680-197821-9	MW-08	63	85
680-197821-10	MW-09A	61	74
680-197821-11	MW-11A	40	73
680-197821-15	MW-13A	68	73
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Dissolved

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX1 (40-130)
680-197821-5	OW-16AF	12 S1-	103
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Dissolved

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX2 (40-130)
680-197821-7	OW-21AF	14	44 p
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Dissolved

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX2 (40-130)
680-197821-14	OW-08AF	13 S1-	69
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPP1 (60-154)
280-147509-B-17-A MS	Matrix Spike	83
280-147509-D-17-A MSD	Matrix Spike Duplicate	96
680-197807-A-3-B MS	Matrix Spike	94
680-197807-A-3-C MSD	Matrix Spike Duplicate	95
680-197821-1	MW-12A	85
680-197821-2	MW-14	102
680-197821-3	OW-06A	84
680-197821-4	OW-16A	108
680-197821-6	OW-21A	44 S1- D
680-197821-8	MW-01B	92
680-197821-9	MW-08	86
680-197821-10	MW-09A	87

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Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column

Technique (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	TPP1 (60-154)
680-197821-11	MW-11A	84
680-197821-13	OW-08A	93
680-197821-15	MW-13A	83
LCS 280-533168/2-A	Lab Control Sample	100
LCS 280-533387/2-A	Lab Control Sample	84
MB 280-533168/1-A	Method Blank	89
MB 280-533387/1-A	Method Blank	108

Surrogate Legend

TPP = Triphenylphosphate

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665731/9

Matrix: Water

Analysis Batch: 665731

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/25/21 13:14	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130					04/25/21 13:14	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124					04/25/21 13:14	1
Dibromofluoromethane (Surr)	106		70 - 130					04/25/21 13:14	1
4-Bromofluorobenzene (Surr)	92		70 - 130					04/25/21 13:14	1

Lab Sample ID: LCS 680-665731/4

Matrix: Water

Analysis Batch: 665731

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	58.7		ug/L		117	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	111		70 - 130				
1,2-Dichloroethane-d4 (Surr)	101		60 - 124				
Dibromofluoromethane (Surr)	117		70 - 130				
4-Bromofluorobenzene (Surr)	92		70 - 130				

Lab Sample ID: LCSD 680-665731/5

Matrix: Water

Analysis Batch: 665731

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	59.4		ug/L		119	70 - 130	1	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	111		70 - 130						
1,2-Dichloroethane-d4 (Surr)	101		60 - 124						
Dibromofluoromethane (Surr)	116		70 - 130						
4-Bromofluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: MB 680-666174/8

Matrix: Water

Analysis Batch: 666174

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 13:07	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130					04/28/21 13:07	1
1,2-Dichloroethane-d4 (Surr)	118		60 - 124					04/28/21 13:07	1
Dibromofluoromethane (Surr)	116		70 - 130					04/28/21 13:07	1
4-Bromofluorobenzene (Surr)	99		70 - 130					04/28/21 13:07	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-666174/3

Matrix: Water

Analysis Batch: 666174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	59.0		ug/L		118	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	113		70 - 130				
1,2-Dichloroethane-d4 (Surr)	129	S1+	60 - 124				
Dibromofluoromethane (Surr)	123		70 - 130				
4-Bromofluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 680-666174/4

Matrix: Water

Analysis Batch: 666174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	59.6		ug/L		119	70 - 130	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	112		70 - 130						
1,2-Dichloroethane-d4 (Surr)	119		60 - 124						
Dibromofluoromethane (Surr)	116		70 - 130						
4-Bromofluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: MB 680-666191/8

Matrix: Water

Analysis Batch: 666191

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 12:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Toluene-d8 (Surr)	91		70 - 130		04/28/21 12:59	1			
1,2-Dichloroethane-d4 (Surr)	77		60 - 124		04/28/21 12:59	1			
Dibromofluoromethane (Surr)	87		70 - 130		04/28/21 12:59	1			
4-Bromofluorobenzene (Surr)	87		70 - 130		04/28/21 12:59	1			

Lab Sample ID: LCS 680-666191/3

Matrix: Water

Analysis Batch: 666191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	48.9		ug/L		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	100		70 - 130				
1,2-Dichloroethane-d4 (Surr)	89		60 - 124				
Dibromofluoromethane (Surr)	101		70 - 130				
4-Bromofluorobenzene (Surr)	93		70 - 130				

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-666191/4

Matrix: Water

Analysis Batch: 666191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	48.1		ug/L		96	70 - 130	2	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
1,2-Dichloroethane-d4 (Surr)	84		60 - 124						
Dibromofluoromethane (Surr)	99		70 - 130						
4-Bromofluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: MB 680-666216/8

Matrix: Water

Analysis Batch: 666216

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/28/21 12:40	1
1,2,4-Trichlorobenzene	<5.0		5.0	2.5	ug/L			04/28/21 12:40	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130					04/28/21 12:40	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 124					04/28/21 12:40	1
Dibromofluoromethane (Surr)	113		70 - 130					04/28/21 12:40	1
4-Bromofluorobenzene (Surr)	92		70 - 130					04/28/21 12:40	1

Lab Sample ID: LCS 680-666216/3

Matrix: Water

Analysis Batch: 666216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorobenzene	50.0	57.1		ug/L		114	70 - 130		
1,2,4-Trichlorobenzene	50.0	46.3		ug/L		93	70 - 130		
Surrogate	%Recovery	LCS Qualifier	Limits						
Toluene-d8 (Surr)	110		70 - 130						
1,2-Dichloroethane-d4 (Surr)	121		60 - 124						
Dibromofluoromethane (Surr)	118		70 - 130						
4-Bromofluorobenzene (Surr)	108		70 - 130						

Lab Sample ID: LCSD 680-666216/4

Matrix: Water

Analysis Batch: 666216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	55.9		ug/L		112	70 - 130	2	30
1,2,4-Trichlorobenzene	50.0	44.5		ug/L		89	70 - 130	4	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	109		70 - 130						
1,2-Dichloroethane-d4 (Surr)	111		60 - 124						

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-666216/4

Matrix: Water

Analysis Batch: 666216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	112		70 - 130
4-Bromofluorobenzene (Surr)	110		70 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-664983/14-A

Matrix: Water

Analysis Batch: 666066

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 664983

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/20/21 17:50	04/27/21 15:36	1	
o,o',o''-Triethylphosphorothioate	<10		10	1.0	ug/L		04/20/21 17:50	04/27/21 15:36	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
2-Fluorobiphenyl	100		32 - 113				04/20/21 17:50	04/27/21 15:36	1	
2-Fluorophenol	85		26 - 109				04/20/21 17:50	04/27/21 15:36	1	
Nitrobenzene-d5	104		32 - 118				04/20/21 17:50	04/27/21 15:36	1	
Phenol-d5	95		27 - 110				04/20/21 17:50	04/27/21 15:36	1	
Terphenyl-d14	81		10 - 126				04/20/21 17:50	04/27/21 15:36	1	
2,4,6-Tribromophenol	106		39 - 124				04/20/21 17:50	04/27/21 15:36	1	

Lab Sample ID: LCS 680-664983/23-A

Matrix: Water

Analysis Batch: 666066

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 664983

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
o,o',o''-Triethylphosphorothioate	100	135	*+	ug/L		135		23 - 130		
Surrogate	%Recovery	Qualifier	Limits							
2-Fluorobiphenyl	93		32 - 113							
2-Fluorophenol	72		26 - 109							
Nitrobenzene-d5	106		32 - 118							
Phenol-d5	88		27 - 110							
Terphenyl-d14	76		10 - 126							
2,4,6-Tribromophenol	103		39 - 124							

Lab Sample ID: LCSD 680-664983/24-A

Matrix: Water

Analysis Batch: 666066

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 664983

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
o,o',o''-Triethylphosphorothioate	100	139	*+	ug/L		139		23 - 130	3	50
Surrogate	%Recovery	Qualifier	Limits							
2-Fluorobiphenyl	91		32 - 113							
2-Fluorophenol	75		26 - 109							
Nitrobenzene-d5	99		32 - 118							
Phenol-d5	84		27 - 110							

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-664983/24-A

Matrix: Water

Analysis Batch: 666066

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 664983

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	78		10 - 126
2,4,6-Tribromophenol	101		39 - 124

Lab Sample ID: MB 680-665238/10-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665238

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
1,2-Dichlorobenzene	<1.0		1.0	0.53	ug/L		04/21/21 18:34	04/26/21 22:46	1	
1,4-Dichlorobenzene	<1.0		1.0	0.54	ug/L		04/21/21 18:34	04/26/21 22:46	1	
4-Nitrophenol	<25		25	1.9	ug/L		04/21/21 18:34	04/26/21 22:46	1	
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		04/21/21 18:34	04/26/21 22:46	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
2-Fluorobiphenyl	92		32 - 113				04/21/21 18:34	04/26/21 22:46	1	
2-Fluorophenol	74		26 - 109				04/21/21 18:34	04/26/21 22:46	1	
Nitrobenzene-d5	96		32 - 118				04/21/21 18:34	04/26/21 22:46	1	
Phenol-d5	82		27 - 110				04/21/21 18:34	04/26/21 22:46	1	
Terphenyl-d14	74		10 - 126				04/21/21 18:34	04/26/21 22:46	1	
2,4,6-Tribromophenol	98		39 - 124				04/21/21 18:34	04/26/21 22:46	1	

Lab Sample ID: LCS 680-665238/11-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665238

	Spike	LCS	LCS							
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
1,2-Dichlorobenzene	100	60.1		ug/L		60		31 - 130		
1,4-Dichlorobenzene	100	58.1		ug/L		58		31 - 130		
4-Nitrophenol	200	202		ug/L		101		44 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	84		32 - 113
2-Fluorophenol	78		26 - 109
Nitrobenzene-d5	84		32 - 118
Phenol-d5	82		27 - 110
Terphenyl-d14	79		10 - 126
2,4,6-Tribromophenol	94		39 - 124

Lab Sample ID: LCS 680-665238/13-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665238

	Spike	LCS	LCS							
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
o,o',o"-Triethylphosphorothioate	100	112		ug/L		112		23 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	92		32 - 113

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-665238/13-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665238

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	76		26 - 109
Nitrobenzene-d5	96		32 - 118
Phenol-d5	86		27 - 110
Terphenyl-d14	78		10 - 126
2,4,6-Tribromophenol	92		39 - 124

Lab Sample ID: LCSD 680-665238/12-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665238

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	100	47.3		ug/L		47	31 - 130	24	50
1,4-Dichlorobenzene	100	47.3		ug/L		47	31 - 130	21	50
4-Nitrophenol	200	176		ug/L		88	44 - 130	14	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	69		32 - 113
2-Fluorophenol	65		26 - 109
Nitrobenzene-d5	69		32 - 118
Phenol-d5	70		27 - 110
Terphenyl-d14	70		10 - 126
2,4,6-Tribromophenol	72		39 - 124

Lab Sample ID: LCSD 680-665238/14-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665238

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o,o',o"-Triethylphosphorothioate	100	123		ug/L		123	23 - 130	9	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	91		32 - 113
2-Fluorophenol	76		26 - 109
Nitrobenzene-d5	101		32 - 118
Phenol-d5	84		27 - 110
Terphenyl-d14	78		10 - 126
2,4,6-Tribromophenol	92		39 - 124

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-665377/6-A

Matrix: Water

Analysis Batch: 666045

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.10	ug/L		04/22/21 18:37	04/27/21 14:05	1
1,4-Dichlorobenzene	<1.0		1.0	0.10	ug/L		04/22/21 18:37	04/27/21 14:05	1
o,o',o"-Triethylphosphorothioate	<1.0		1.0	0.13	ug/L		04/22/21 18:37	04/27/21 14:05	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 680-665377/6-A

Matrix: Water

Analysis Batch: 666045

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<8.0		8.0	4.0	ug/L		04/22/21 18:37	04/27/21 14:05	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	0.10	ug/L		04/22/21 18:37	04/27/21 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	110		39 - 133	04/22/21 18:37	04/27/21 14:05	1
2-Fluorobiphenyl	70		31 - 107	04/22/21 18:37	04/27/21 14:05	1
2-Fluorophenol	71		18 - 112	04/22/21 18:37	04/27/21 14:05	1
Terphenyl-d14	78		22 - 121	04/22/21 18:37	04/27/21 14:05	1
Phenol-d5	65		20 - 113	04/22/21 18:37	04/27/21 14:05	1
Nitrobenzene-d5	72		37 - 103	04/22/21 18:37	04/27/21 14:05	1

Lab Sample ID: LCS 680-665377/7-A

Matrix: Water

Analysis Batch: 666045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	10.0	4.57		ug/L		46	32 - 130
1,4-Dichlorobenzene	10.0	4.25		ug/L		43	31 - 130
4-Nitrophenol	20.0	<4.0	*-	ug/L		19	25 - 135
Indeno[1,2,3-cd]pyrene	10.0	9.09		ug/L		91	30 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	88		39 - 133
2-Fluorobiphenyl	62		31 - 107
2-Fluorophenol	22		18 - 112
Terphenyl-d14	76		22 - 121
Phenol-d5	13	S1-	20 - 113
Nitrobenzene-d5	58		37 - 103

Lab Sample ID: LCS 680-665377/9-A

Matrix: Water

Analysis Batch: 666045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	10.0	8.11		ug/L		81	29 - 152

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	116		39 - 133
2-Fluorobiphenyl	77		31 - 107
2-Fluorophenol	73		18 - 112
Terphenyl-d14	85		22 - 121
Phenol-d5	64		20 - 113
Nitrobenzene-d5	77		37 - 103

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 680-665377/10-A

Matrix: Water

Analysis Batch: 666045

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o,o',o"-Triethylphosphorothioate	10.0	8.70		ug/L		87	29 - 152	7	50
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4,6-Tribromophenol	111		39 - 133						
2-Fluorobiphenyl	74		31 - 107						
2-Fluorophenol	75		18 - 112						
Terphenyl-d14	92		22 - 121						
Phenol-d5	74		20 - 113						
Nitrobenzene-d5	82		37 - 103						

Lab Sample ID: LCSD 680-665377/8-A

Matrix: Water

Analysis Batch: 666045

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665377

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	10.0	5.55		ug/L		56	32 - 130	19	30
1,4-Dichlorobenzene	10.0	5.79	*1	ug/L		58	31 - 130	31	30
4-Nitrophenol	20.0	13.7	*1	ug/L		68	25 - 135	112	30
Indeno[1,2,3-cd]pyrene	10.0	8.67		ug/L		87	30 - 130	5	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4,6-Tribromophenol	114		39 - 133						
2-Fluorobiphenyl	74		31 - 107						
2-Fluorophenol	72		18 - 112						
Terphenyl-d14	99		22 - 121						
Phenol-d5	65		20 - 113						
Nitrobenzene-d5	77		37 - 103						

Lab Sample ID: MB 680-666449/13-A

Matrix: Water

Analysis Batch: 666858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<1.0		1.0	0.10	ug/L		04/29/21 18:12	05/03/21 10:56	1
1,4-Dichlorobenzene	<1.0		1.0	0.10	ug/L		04/29/21 18:12	05/03/21 10:56	1
o,o',o"-Triethylphosphorothioate	<1.0		1.0	0.13	ug/L		04/29/21 18:12	05/03/21 10:56	1
4-Nitrophenol	<8.0		8.0	4.0	ug/L		04/29/21 18:12	05/03/21 10:56	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	0.10	ug/L		04/29/21 18:12	05/03/21 10:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
2,4,6-Tribromophenol	87		39 - 133	04/29/21 18:12	05/03/21 10:56	1			
2-Fluorobiphenyl	76		31 - 107	04/29/21 18:12	05/03/21 10:56	1			
2-Fluorophenol	68		18 - 112	04/29/21 18:12	05/03/21 10:56	1			
Terphenyl-d14	98		22 - 121	04/29/21 18:12	05/03/21 10:56	1			
Phenol-d5	67		20 - 113	04/29/21 18:12	05/03/21 10:56	1			
Nitrobenzene-d5	69		37 - 103	04/29/21 18:12	05/03/21 10:56	1			

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-666449/14-A

Matrix: Water

Analysis Batch: 666858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	10.0	5.15		ug/L		52	32 - 130
1,4-Dichlorobenzene	10.0	5.00		ug/L		50	31 - 130
4-Nitrophenol	20.0	15.7		ug/L		78	25 - 135
Indeno[1,2,3-cd]pyrene	10.0	9.12		ug/L		91	30 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	91		39 - 133
2-Fluorobiphenyl	75		31 - 107
2-Fluorophenol	69		18 - 112
Terphenyl-d14	89		22 - 121
Phenol-d5	67		20 - 113
Nitrobenzene-d5	75		37 - 103

Lab Sample ID: LCS 680-666449/16-A

Matrix: Water

Analysis Batch: 666858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	10.0	7.12		ug/L		71	29 - 152

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	85		39 - 133
2-Fluorobiphenyl	71		31 - 107
2-Fluorophenol	69		18 - 112
Terphenyl-d14	91		22 - 121
Phenol-d5	65		20 - 113
Nitrobenzene-d5	71		37 - 103

Lab Sample ID: LCSD 680-666449/15-A

Matrix: Water

Analysis Batch: 666858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 666449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	10.0	5.47		ug/L		55	32 - 130	6	30
1,4-Dichlorobenzene	10.0	5.12		ug/L		51	31 - 130	2	30
4-Nitrophenol	20.0	15.8		ug/L		79	25 - 135	1	30
Indeno[1,2,3-cd]pyrene	10.0	9.33		ug/L		93	30 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	91		39 - 133
2-Fluorobiphenyl	73		31 - 107
2-Fluorophenol	73		18 - 112
Terphenyl-d14	89		22 - 121
Phenol-d5	70		20 - 113
Nitrobenzene-d5	74		37 - 103

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 680-666449/17-A

Matrix: Water

Analysis Batch: 666858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 666449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o,o',o"-Triethylphosphorothioate	10.0	7.70		ug/L		77	29 - 152	8	50
Surrogate	%Recovery	LCSD Qualifier	Limits						
2,4,6-Tribromophenol	85		39 - 133						
2-Fluorobiphenyl	72		31 - 107						
2-Fluorophenol	68		18 - 112						
Terphenyl-d14	88		22 - 121						
Phenol-d5	63		20 - 113						
Nitrobenzene-d5	71		37 - 103						

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-666145/8-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.090	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1221, Dissolved	<0.50		0.50	0.095	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1242, Dissolved	<0.50		0.50	0.095	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/27/21 17:07	04/28/21 17:48	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/27/21 17:07	04/28/21 17:48	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		14 - 130				04/27/21 17:07	04/28/21 17:48	1
Tetrachloro-m-xylene	87		40 - 130				04/27/21 17:07	04/28/21 17:48	1

Lab Sample ID: LCS 680-666145/9-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016, Dissolved	3.00	2.68		ug/L		89	44 - 130		
PCB-1260, Dissolved	3.00	3.12		ug/L		104	35 - 130		
Surrogate	%Recovery	LCS Qualifier	Limits						
DCB Decachlorobiphenyl	80		14 - 130						
Tetrachloro-m-xylene	92		40 - 130						

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCSD 680-666145/10-A

Matrix: Water

Analysis Batch: 666277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 666145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016, Dissolved	3.00	2.63		ug/L		88	44 - 130	2	30
PCB-1260, Dissolved	3.00	3.15		ug/L		105	35 - 130	1	40
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
DCB Decachlorobiphenyl	75		14 - 130						
Tetrachloro-m-xylene	86		40 - 130						

Lab Sample ID: MB 680-666147/19-A

Matrix: Water

Analysis Batch: 666273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1221	<0.50		0.50	0.095	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1242	<0.50		0.50	0.095	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1254	<0.50		0.50	0.055	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1260	<0.50		0.50	0.060	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 16:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
DCB Decachlorobiphenyl	78		14 - 130	04/27/21 15:39	04/28/21 16:55	1			
Tetrachloro-m-xylene	79		40 - 130	04/27/21 15:39	04/28/21 16:55	1			

Lab Sample ID: LCS 680-666147/20-A

Matrix: Water

Analysis Batch: 666273

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666147

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016		3.00	2.34		ug/L		78	44 - 130
PCB-1260		3.00	2.38		ug/L		79	35 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
DCB Decachlorobiphenyl	76		14 - 130					
Tetrachloro-m-xylene	77		40 - 130					

Lab Sample ID: MB 680-666729/15-A

Matrix: Water

Analysis Batch: 667012

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.090	ug/L		04/30/21 18:23	05/03/21 19:59	1
PCB-1221, Dissolved	<0.50		0.50	0.095	ug/L		04/30/21 18:23	05/03/21 19:59	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/30/21 18:23	05/03/21 19:59	1
PCB-1242, Dissolved	<0.50		0.50	0.095	ug/L		04/30/21 18:23	05/03/21 19:59	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-666729/15-A
Matrix: Water
Analysis Batch: 667012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/30/21 18:23	05/03/21 19:59	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/30/21 18:23	05/03/21 19:59	1
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/30/21 18:23	05/03/21 19:59	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/30/21 18:23	05/03/21 19:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		14 - 130	04/30/21 18:23	05/03/21 19:59	1
Tetrachloro-m-xylene	70		40 - 130	04/30/21 18:23	05/03/21 19:59	1

Lab Sample ID: LCS 680-666729/20-A
Matrix: Water
Analysis Batch: 667012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666729

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016, Dissolved	3.00	2.02		ug/L		67	44 - 130
PCB-1260, Dissolved	3.00	2.30		ug/L		77	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	88		14 - 130
Tetrachloro-m-xylene	68		40 - 130

Lab Sample ID: LCSD 680-666729/21-A
Matrix: Water
Analysis Batch: 667012

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 666729

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016, Dissolved	3.00	2.24		ug/L		75	44 - 130	10	30
PCB-1260, Dissolved	3.00	2.31		ug/L		77	35 - 130	0	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	87		14 - 130
Tetrachloro-m-xylene	68		40 - 130

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-533168/1-A
Matrix: Water
Analysis Batch: 535256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 533168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/20/21 11:49	05/06/21 19:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	89		60 - 154	04/20/21 11:49	05/06/21 19:11	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 280-533168/2-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Parathion	4.00	3.56		ug/L		89	55 - 107
Surrogate	%Recovery	LCS Qualifier	Limits				
Triphenylphosphate	100		60 - 154				

Lab Sample ID: MB 280-533387/1-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 06:54	1
Sulfotepp	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 06:54	1
Tetraethyldithiopyrophosphate	<1.5		1.5	0.17	ug/L		04/21/21 17:33	05/07/21 06:54	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Triphenylphosphate	108		60 - 154	04/21/21 17:33	05/07/21 06:54	1			

Lab Sample ID: LCS 280-533387/2-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Parathion	4.00	3.16		ug/L		79	55 - 107
Sulfotepp	4.00	3.06		ug/L		76	53 - 110
Tetraethyldithiopyrophosphate	4.00	3.06		ug/L		76	53 - 110
Surrogate	%Recovery	LCS Qualifier	Limits				
Triphenylphosphate	84		60 - 154				

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-664909/1-A

Matrix: Water

Analysis Batch: 665130

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 664909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:32	1
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:32	1
Manganese	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:32	1
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/20/21 10:54	04/21/21 03:32	1

Lab Sample ID: LCS 680-664909/2-A

Matrix: Water

Analysis Batch: 665130

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 664909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0472		mg/L		94	80 - 120

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-664909/2-A
Matrix: Water
Analysis Batch: 665130

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 664909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt, Dissolved	0.0500	0.0472		mg/L		94	80 - 120
Manganese	0.400	0.383		mg/L		96	80 - 120
Manganese, Dissolved	0.400	0.383		mg/L		96	80 - 120

Lab Sample ID: MB 680-664928/1-A
Matrix: Water
Analysis Batch: 665130

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 664928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/20/21 11:22	04/21/21 06:09	1
Manganese	<0.010		0.010	0.0010	mg/L		04/20/21 11:22	04/21/21 06:09	1

Lab Sample ID: LCS 680-664928/2-A
Matrix: Water
Analysis Batch: 665130

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 664928

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0480		mg/L		96	80 - 120
Manganese	0.400	0.388		mg/L		97	80 - 120

Lab Sample ID: MB 680-665105/1-A
Matrix: Water
Analysis Batch: 665547

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 665105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/21/21 09:22	04/22/21 22:03	1
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/21/21 09:22	04/22/21 22:03	1

Lab Sample ID: LCS 680-665105/2-A
Matrix: Water
Analysis Batch: 665547

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 665105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt, Dissolved	0.0500	0.0490		mg/L		98	80 - 120
Manganese, Dissolved	0.400	0.395		mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-664773/1-A
Matrix: Water
Analysis Batch: 664832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/19/21 12:42	04/19/21 20:34	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-664773/2-A
Matrix: Water
Analysis Batch: 664832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00258		mg/L		103	80 - 120

Lab Sample ID: MB 680-665401/1-A
Matrix: Water
Analysis Batch: 665714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 15:53	04/23/21 16:40	1

Lab Sample ID: LCS 680-665401/2-A
Matrix: Water
Analysis Batch: 665714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665401

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00251		mg/L		100	80 - 120

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

GC/MS VOA

Analysis Batch: 665731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-3	OW-06A	Total/NA	Water	8260B	
680-197821-8	MW-01B	Total/NA	Water	8260B	
680-197821-9	MW-08	Total/NA	Water	8260B	
680-197821-10	MW-09A	Total/NA	Water	8260B	
680-197821-17	Trip Blank 20210415	Total/NA	Water	8260B	
MB 680-665731/9	Method Blank	Total/NA	Water	8260B	
LCS 680-665731/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-665731/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 666174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total/NA	Water	8260B	
MB 680-666174/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666174/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666174/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 666191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-13	OW-08A	Total/NA	Water	8260B	
MB 680-666191/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666191/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666191/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 666216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-4	OW-16A	Total/NA	Water	8260B	
680-197821-6	OW-21A	Total/NA	Water	8260B	
MB 680-666216/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666216/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666216/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 664983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-1	MW-12A	Total/NA	Water	3520C	
680-197821-15	MW-13A	Total/NA	Water	3520C	
MB 680-664983/14-A	Method Blank	Total/NA	Water	3520C	
LCS 680-664983/23-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-664983/24-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 665238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total/NA	Water	3520C	
680-197821-3	OW-06A	Total/NA	Water	3520C	
680-197821-4	OW-16A	Total/NA	Water	3520C	
680-197821-6	OW-21A	Total/NA	Water	3520C	
680-197821-6 - DL	OW-21A	Total/NA	Water	3520C	
680-197821-8	MW-01B	Total/NA	Water	3520C	
680-197821-9	MW-08	Total/NA	Water	3520C	
680-197821-10	MW-09A	Total/NA	Water	3520C	

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

GC/MS Semi VOA (Continued)

Prep Batch: 665238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-11	MW-11A	Total/NA	Water	3520C	
MB 680-665238/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665238/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-665238/13-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-665238/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-665238/14-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 665377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-13	OW-08A	Total/NA	Water	3520C	
MB 680-665377/6-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665377/7-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-665377/9-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-665377/10-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-665377/8-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 665941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total/NA	Water	8270D	665238
680-197821-3	OW-06A	Total/NA	Water	8270D	665238
680-197821-4	OW-16A	Total/NA	Water	8270D	665238
680-197821-8	MW-01B	Total/NA	Water	8270D	665238
680-197821-9	MW-08	Total/NA	Water	8270D	665238
680-197821-10	MW-09A	Total/NA	Water	8270D	665238
680-197821-11	MW-11A	Total/NA	Water	8270D	665238
MB 680-665238/10-A	Method Blank	Total/NA	Water	8270D	665238
LCS 680-665238/11-A	Lab Control Sample	Total/NA	Water	8270D	665238
LCS 680-665238/13-A	Lab Control Sample	Total/NA	Water	8270D	665238
LCSD 680-665238/12-A	Lab Control Sample Dup	Total/NA	Water	8270D	665238
LCSD 680-665238/14-A	Lab Control Sample Dup	Total/NA	Water	8270D	665238

Analysis Batch: 666045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-13	OW-08A	Total/NA	Water	8270D LL	665377
MB 680-665377/6-A	Method Blank	Total/NA	Water	8270D LL	665377
LCS 680-665377/7-A	Lab Control Sample	Total/NA	Water	8270D LL	665377
LCS 680-665377/9-A	Lab Control Sample	Total/NA	Water	8270D LL	665377
LCSD 680-665377/10-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	665377
LCSD 680-665377/8-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	665377

Analysis Batch: 666066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-1	MW-12A	Total/NA	Water	8270D	664983
680-197821-6	OW-21A	Total/NA	Water	8270D	665238
680-197821-6 - DL	OW-21A	Total/NA	Water	8270D	665238
680-197821-15	MW-13A	Total/NA	Water	8270D	664983
MB 680-664983/14-A	Method Blank	Total/NA	Water	8270D	664983
LCS 680-664983/23-A	Lab Control Sample	Total/NA	Water	8270D	664983
LCSD 680-664983/24-A	Lab Control Sample Dup	Total/NA	Water	8270D	664983

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

GC/MS Semi VOA

Prep Batch: 666449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-13 - RE	OW-08A	Total/NA	Water	3520C	
MB 680-666449/13-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666449/14-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-666449/16-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666449/15-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-666449/17-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 666858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-13 - RE	OW-08A	Total/NA	Water	8270D LL	666449
MB 680-666449/13-A	Method Blank	Total/NA	Water	8270D LL	666449
LCS 680-666449/14-A	Lab Control Sample	Total/NA	Water	8270D LL	666449
LCS 680-666449/16-A	Lab Control Sample	Total/NA	Water	8270D LL	666449
LCSD 680-666449/15-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	666449
LCSD 680-666449/17-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	666449

GC Semi VOA

Prep Batch: 533168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-1	MW-12A	Total/NA	Water	3510C	
680-197821-15	MW-13A	Total/NA	Water	3510C	
MB 280-533168/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533168/2-A	Lab Control Sample	Total/NA	Water	3510C	

Prep Batch: 533387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total/NA	Water	3510C	
680-197821-3	OW-06A	Total/NA	Water	3510C	
680-197821-4	OW-16A	Total/NA	Water	3510C	
680-197821-6	OW-21A	Total/NA	Water	3510C	
680-197821-8	MW-01B	Total/NA	Water	3510C	
680-197821-9	MW-08	Total/NA	Water	3510C	
680-197821-10	MW-09A	Total/NA	Water	3510C	
680-197821-11	MW-11A	Total/NA	Water	3510C	
680-197821-13	OW-08A	Total/NA	Water	3510C	
MB 280-533387/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533387/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 535256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-1	MW-12A	Total/NA	Water	8141B	533168
680-197821-2	MW-14	Total/NA	Water	8141B	533387
680-197821-3	OW-06A	Total/NA	Water	8141B	533387
680-197821-4	OW-16A	Total/NA	Water	8141B	533387
680-197821-8	MW-01B	Total/NA	Water	8141B	533387
680-197821-9	MW-08	Total/NA	Water	8141B	533387
680-197821-10	MW-09A	Total/NA	Water	8141B	533387
680-197821-11	MW-11A	Total/NA	Water	8141B	533387
680-197821-13	OW-08A	Total/NA	Water	8141B	533387
680-197821-15	MW-13A	Total/NA	Water	8141B	533168

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

GC Semi VOA (Continued)

Analysis Batch: 535256 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-533168/1-A	Method Blank	Total/NA	Water	8141B	533168
MB 280-533387/1-A	Method Blank	Total/NA	Water	8141B	533387
LCS 280-533168/2-A	Lab Control Sample	Total/NA	Water	8141B	533168
LCS 280-533387/2-A	Lab Control Sample	Total/NA	Water	8141B	533387

Analysis Batch: 535467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-6	OW-21A	Total/NA	Water	8141B	533387

Prep Batch: 666145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-5	OW-16AF	Dissolved	Water	3520C	
680-197821-14	OW-08AF	Dissolved	Water	3520C	
MB 680-666145/8-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666145/9-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666145/10-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 666147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-1	MW-12A	Total/NA	Water	3520C	
680-197821-2	MW-14	Total/NA	Water	3520C	
680-197821-3	OW-06A	Total/NA	Water	3520C	
680-197821-4	OW-16A	Total/NA	Water	3520C	
680-197821-6	OW-21A	Total/NA	Water	3520C	
680-197821-8	MW-01B	Total/NA	Water	3520C	
680-197821-9	MW-08	Total/NA	Water	3520C	
680-197821-10	MW-09A	Total/NA	Water	3520C	
680-197821-11	MW-11A	Total/NA	Water	3520C	
680-197821-13	OW-08A	Total/NA	Water	3520C	
680-197821-15	MW-13A	Total/NA	Water	3520C	
MB 680-666147/19-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666147/20-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 666273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-1	MW-12A	Total/NA	Water	8081B/8082A	666147
680-197821-2	MW-14	Total/NA	Water	8081B/8082A	666147
680-197821-3	OW-06A	Total/NA	Water	8081B/8082A	666147
680-197821-4	OW-16A	Total/NA	Water	8081B/8082A	666147
680-197821-6	OW-21A	Total/NA	Water	8081B/8082A	666147
680-197821-8	MW-01B	Total/NA	Water	8081B/8082A	666147
MB 680-666147/19-A	Method Blank	Total/NA	Water	8081B/8082A	666147
LCS 680-666147/20-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666147

Analysis Batch: 666277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-5	OW-16AF	Dissolved	Water	8081B/8082A	666145
680-197821-9	MW-08	Total/NA	Water	8081B/8082A	666147
680-197821-10	MW-09A	Total/NA	Water	8081B/8082A	666147
680-197821-11	MW-11A	Total/NA	Water	8081B/8082A	666147
680-197821-13	OW-08A	Total/NA	Water	8081B/8082A	666147

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

GC Semi VOA (Continued)

Analysis Batch: 666277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-14	OW-08AF	Dissolved	Water	8081B/8082A	666145
680-197821-15	MW-13A	Total/NA	Water	8081B/8082A	666147
MB 680-666145/8-A	Method Blank	Total/NA	Water	8081B/8082A	666145
LCS 680-666145/9-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666145
LCSD 680-666145/10-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	666145

Analysis Batch: 666475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-4	OW-16A	Total/NA	Water	8081B/8082A	666147
680-197821-6	OW-21A	Total/NA	Water	8081B/8082A	666147

Prep Batch: 666729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-7	OW-21AF	Dissolved	Water	3520C	
MB 680-666729/15-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666729/20-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666729/21-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 667012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-7	OW-21AF	Dissolved	Water	8081B/8082A	666729
MB 680-666729/15-A	Method Blank	Total/NA	Water	8081B/8082A	666729
LCS 680-666729/20-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666729
LCSD 680-666729/21-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	666729

Metals

Prep Batch: 664773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total/NA	Water	7470A	
680-197821-3	OW-06A	Total/NA	Water	7470A	
680-197821-6	OW-21A	Total/NA	Water	7470A	
680-197821-8	MW-01B	Total/NA	Water	7470A	
680-197821-9	MW-08	Total/NA	Water	7470A	
680-197821-10	MW-09A	Total/NA	Water	7470A	
MB 680-664773/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-664773/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 664832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total/NA	Water	7470A	664773
680-197821-3	OW-06A	Total/NA	Water	7470A	664773
680-197821-6	OW-21A	Total/NA	Water	7470A	664773
680-197821-8	MW-01B	Total/NA	Water	7470A	664773
680-197821-9	MW-08	Total/NA	Water	7470A	664773
680-197821-10	MW-09A	Total/NA	Water	7470A	664773
MB 680-664773/1-A	Method Blank	Total/NA	Water	7470A	664773
LCS 680-664773/2-A	Lab Control Sample	Total/NA	Water	7470A	664773

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Metals

Prep Batch: 664909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total Recoverable	Water	3005A	
680-197821-3	OW-06A	Total Recoverable	Water	3005A	
680-197821-6	OW-21A	Total Recoverable	Water	3005A	
680-197821-7	OW-21AF	Dissolved	Water	3005A	
680-197821-8	MW-01B	Total Recoverable	Water	3005A	
680-197821-9	MW-08	Total Recoverable	Water	3005A	
680-197821-10	MW-09A	Total Recoverable	Water	3005A	
MB 680-664909/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-664909/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 664928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-4	OW-16A	Total Recoverable	Water	3005A	
680-197821-13	OW-08A	Total Recoverable	Water	3005A	
MB 680-664928/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-664928/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 665105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-5	OW-16AF	Dissolved	Water	3005A	
680-197821-14	OW-08AF	Dissolved	Water	3005A	
MB 680-665105/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-665105/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 665130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-2	MW-14	Total Recoverable	Water	6010C	664909
680-197821-3	OW-06A	Total Recoverable	Water	6010C	664909
680-197821-4	OW-16A	Total Recoverable	Water	6010C	664928
680-197821-6	OW-21A	Total Recoverable	Water	6010C	664909
680-197821-7	OW-21AF	Dissolved	Water	6010C	664909
680-197821-8	MW-01B	Total Recoverable	Water	6010C	664909
680-197821-9	MW-08	Total Recoverable	Water	6010C	664909
680-197821-10	MW-09A	Total Recoverable	Water	6010C	664909
680-197821-13	OW-08A	Total Recoverable	Water	6010C	664928
MB 680-664909/1-A	Method Blank	Total Recoverable	Water	6010C	664909
MB 680-664928/1-A	Method Blank	Total Recoverable	Water	6010C	664928
LCS 680-664909/2-A	Lab Control Sample	Total Recoverable	Water	6010C	664909
LCS 680-664928/2-A	Lab Control Sample	Total Recoverable	Water	6010C	664928

Prep Batch: 665401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-4	OW-16A	Total/NA	Water	7470A	
680-197821-5	OW-16AF	Total/NA	Water	7470A	
680-197821-7	OW-21AF	Total/NA	Water	7470A	
680-197821-13	OW-08A	Total/NA	Water	7470A	
680-197821-14	OW-08AF	Total/NA	Water	7470A	
MB 680-665401/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-665401/2-A	Lab Control Sample	Total/NA	Water	7470A	

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Metals

Analysis Batch: 665547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-5	OW-16AF	Dissolved	Water	6010C	665105
680-197821-14	OW-08AF	Dissolved	Water	6010C	665105
MB 680-665105/1-A	Method Blank	Total Recoverable	Water	6010C	665105
LCS 680-665105/2-A	Lab Control Sample	Total Recoverable	Water	6010C	665105

Analysis Batch: 665714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-4	OW-16A	Total/NA	Water	7470A	665401
680-197821-5	OW-16AF	Total/NA	Water	7470A	665401
680-197821-7	OW-21AF	Total/NA	Water	7470A	665401
680-197821-13	OW-08A	Total/NA	Water	7470A	665401
680-197821-14	OW-08AF	Total/NA	Water	7470A	665401
MB 680-665401/1-A	Method Blank	Total/NA	Water	7470A	665401
LCS 680-665401/2-A	Lab Control Sample	Total/NA	Water	7470A	665401

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-12A

Lab Sample ID: 680-197821-1

Date Collected: 04/13/21 16:20

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1008.3 mL	1 mL	664983	04/20/21 17:50	EHS	TAL SAV
Total/NA	Analysis	8270D		1			666066	04/27/21 17:43	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			978.7 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 20:15	JCK	TAL SAV
Instrument ID: CSGAA										
Total/NA	Prep	3510C			996.1 mL	2 mL	533168	04/20/21 11:49	CDH	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 05:36	TMC	TAL DEN
Instrument ID: SGC_D2										

Client Sample ID: MW-14

Lab Sample ID: 680-197821-2

Date Collected: 04/14/21 16:10

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666174	04/28/21 17:14	UI	TAL SAV
Instrument ID: CMSAA										
Total/NA	Prep	3520C			1027.4 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 00:32	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			1022 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 20:29	JCK	TAL SAV
Instrument ID: CSGAA										
Total/NA	Prep	3510C			1027.9 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 08:12	TMC	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 04:19	BWR	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 21:48	BWR	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: OW-06A

Lab Sample ID: 680-197821-3

Date Collected: 04/14/21 18:38

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665731	04/25/21 19:55	Y1S	TAL SAV
Instrument ID: CMSC										
Total/NA	Prep	3520C			1046.1 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 00:54	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			1032.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 20:43	JCK	TAL SAV
Instrument ID: CSGAA										

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-06A

Lab Sample ID: 680-197821-3

Date Collected: 04/14/21 18:38

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1032.8 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 08:52	TMC	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 04:39	BWR	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 22:13	BWR	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: OW-16A

Lab Sample ID: 680-197821-4

Date Collected: 04/15/21 10:17

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	666216	04/28/21 17:53	Y1S	TAL SAV
Instrument ID: CMSS										
Total/NA	Prep	3520C			931.1 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 01:15	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			924.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 20:58	JCK	TAL SAV
Instrument ID: CSGAA										
Total/NA	Prep	3520C			924.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		25			666475	04/29/21 17:25	JCK	TAL SAV
Instrument ID: CSGK										
Total/NA	Prep	3510C			882.9 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 10:49	TMC	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	664928	04/20/21 11:22	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 06:53	BWR	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	665401	04/22/21 15:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			665714	04/23/21 17:39	BCB	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: OW-16AF

Lab Sample ID: 680-197821-5

Date Collected: 04/15/21 10:17

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1006.4 mL	5 mL	666145	04/27/21 17:07	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666277	04/28/21 19:56	JCK	TAL SAV
Instrument ID: CSGJ										

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-16AF

Lab Sample ID: 680-197821-5

Date Collected: 04/15/21 10:17

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665547	04/22/21 23:26	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	665401	04/22/21 15:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			665714	04/23/21 17:44	BCB	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: OW-21A

Lab Sample ID: 680-197821-6

Date Collected: 04/15/21 10:19

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	5 mL	5 mL	666216	04/28/21 18:13	Y1S	TAL SAV
		Instrument ID: CMSS								
Total/NA	Prep	3520C			1021.6 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		10			666066	04/27/21 16:39	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C	DL		1021.6 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D	DL	100			666066	04/27/21 17:00	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C			1039.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 21:12	JCK	TAL SAV
		Instrument ID: CSGAA								
Total/NA	Prep	3520C			1039.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		10			666475	04/29/21 17:41	JCK	TAL SAV
		Instrument ID: CSGK								
Total/NA	Prep	3510C			1037.6 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		500			535467	05/08/21 16:36	TMC	TAL DEN
		Instrument ID: SGC_D2								
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 04:34	BWR	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 22:18	BWR	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: OW-21AF

Lab Sample ID: 680-197821-7

Date Collected: 04/15/21 10:19

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1041.4 mL	5 mL	666729	04/30/21 18:23	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			667012	05/03/21 21:14	JCK	TAL SAV
		Instrument ID: CSGZ								

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-21AF

Lab Sample ID: 680-197821-7

Date Collected: 04/15/21 10:19

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665130	04/21/21 04:53	BWR	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	665401	04/22/21 15:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			665714	04/23/21 17:49	BCB	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: MW-01B

Lab Sample ID: 680-197821-8

Date Collected: 04/14/21 09:55

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665731	04/25/21 20:19	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Prep	3520C			1028.4 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 01:58	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C			1021.4 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666273	04/28/21 21:26	JCK	TAL SAV
		Instrument ID: CSGAA								
Total/NA	Prep	3510C			1010.3 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 12:08	TMC	TAL DEN
		Instrument ID: SGC_D2								
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 04:58	BWR	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:43	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 22:28	BWR	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: MW-08

Lab Sample ID: 680-197821-9

Date Collected: 04/14/21 17:46

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665731	04/25/21 20:42	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Prep	3520C			1048.4 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 02:19	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C			964.7 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 20:51	JCK	TAL SAV
		Instrument ID: CSGJ								
Total/NA	Prep	3510C			991.2 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 12:47	TMC	TAL DEN
		Instrument ID: SGC_D2								

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-08

Date Collected: 04/14/21 17:46

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 04:24	BWR	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 22:03	BWR	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: MW-09A

Date Collected: 04/14/21 13:27

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665731	04/25/21 21:06	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Prep	3520C			1033.5 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 02:40	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C			997 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 21:10	JCK	TAL SAV
		Instrument ID: CSGJ								
Total/NA	Prep	3510C			972.7 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 13:27	TMC	TAL DEN
		Instrument ID: SGC_D2								
Total Recoverable	Prep	3005A			50 mL	50 mL	664909	04/20/21 10:54	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 04:29	BWR	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	664773	04/19/21 12:42	BCB	TAL SAV
Total/NA	Analysis	7470A		1			664832	04/19/21 22:08	BWR	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: MW-11A

Date Collected: 04/14/21 10:36

Date Received: 04/17/21 10:30

Lab Sample ID: 680-197821-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1046.5 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 03:01	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C			1040.1 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 21:28	JCK	TAL SAV
		Instrument ID: CSGJ								
Total/NA	Prep	3510C			962 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 14:06	TMC	TAL DEN
		Instrument ID: SGC_D2								

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: OW-08A

Lab Sample ID: 680-197821-13

Date Collected: 04/15/21 12:16

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666191	04/28/21 14:58	Y1S	TAL SAV
	Instrument ID: CMSB									
Total/NA	Prep	3520C	RE		1043.3 mL	1 mL	666449	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8270D LL	RE	1			666858	05/03/21 12:56	T1C	TAL SAV
	Instrument ID: CMSAE									
Total/NA	Prep	3520C			1000.4 mL	1 mL	665377	04/22/21 18:37	EHS	TAL SAV
Total/NA	Analysis	8270D LL		1			666045	04/27/21 16:00	OK	TAL SAV
	Instrument ID: CMSD									
Total/NA	Prep	3520C			1025.4 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 22:05	JCK	TAL SAV
	Instrument ID: CSGJ									
Total/NA	Prep	3510C			1048.5 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 15:24	TMC	TAL DEN
	Instrument ID: SGC_D2									
Total Recoverable	Prep	3005A			50 mL	50 mL	664928	04/20/21 11:22	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665130	04/21/21 06:57	BWR	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	665401	04/22/21 15:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			665714	04/23/21 17:54	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: OW-08AF

Lab Sample ID: 680-197821-14

Date Collected: 04/15/21 12:16

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1041.1 mL	5 mL	666145	04/27/21 17:07	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666277	04/28/21 20:33	JCK	TAL SAV
	Instrument ID: CSGJ									
Dissolved	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665547	04/22/21 23:31	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	665401	04/22/21 15:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			665714	04/23/21 17:59	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: MW-13A

Lab Sample ID: 680-197821-15

Date Collected: 04/13/21 16:43

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1027.7 mL	1 mL	664983	04/20/21 17:50	EHS	TAL SAV
Total/NA	Analysis	8270D		1			666066	04/27/21 18:04	T1C	TAL SAV
	Instrument ID: CMSN									

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Client Sample ID: MW-13A

Lab Sample ID: 680-197821-15

Date Collected: 04/13/21 16:43

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1023.1 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 22:23	JCK	TAL SAV
		Instrument ID: CSGJ								
Total/NA	Prep	3510C			1044.5 mL	2 mL	533168	04/20/21 11:49	CDH	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 06:15	TMC	TAL DEN
		Instrument ID: SGC_D2								

Client Sample ID: Trip Blank 20210415

Lab Sample ID: 680-197821-17

Date Collected: 04/13/21 00:00

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	665731	04/25/21 14:25	Y1S	TAL SAV
		Instrument ID: CMSC								

Laboratory References:

TAL DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-21

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	06-30-21
A2LA	ISO/IEC 17025	2907.01	06-30-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-19-21
Arkansas DEQ	State	19-047-0	05-31-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	09-30-22
Florida	NELAP	E87667-57	06-30-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-22
Iowa	State	IA#370	12-02-22
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-26-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	08-31-21
Oregon	NELAP	4025-011	05-27-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	05-16-21
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-21-19	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-29-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	06-30-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197821-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah

Chain of Custody Record



Client Information Client Contact: Ms. Elaine Higgins Company: GSI Environmental, Inc. Address: 2211 Norfolk, Suite 1000 City: Houston State: TX, Zip: 77098-4044 Phone: 713-522-6300 (Tel) Email: elahiggins@gsi-net.com, wls@gsi-net.com Project Name: April 2021 RCRA/CERCLA Ground Site:		Sampler: STP, JA, AJV Phone: 713-522-6300 Lab PM: Weinberg, Amy E-Mail: amy.weinberg@Eurofinset.com		Carrier Tracking No(s): State of Origin:		COC No: 680-124415-46584.1 Page: Page 1 of 15 Job #:	
Due Date Requested: TAT Requested (days): Standard Compliance Project: Yes ☒ No ☐ PO #: 46008635 WO #: 46992652 Project #: 68020284 SSOW#:		PWSID:		Analysis Requested 8141B - Parathion 8270D - (MOD) 4NP, 1,2,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1066,1067,1068,1069,1070,1071,1072,1073,1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1109,1110,1111,1112,1113,1114,1115,1116,1117,1118,1119,1120,1121,1122,1123,1124,1125,1126,1127,1128,1129,1130,1131,1132,1133,1134,1135,1136,1137,1138,1139,1140,1141,1142,1143,1144,1145,1146,1147,1148,1149,1150,1151,1152,1153,1154,1155,1156,1157,1158,1159,1160,1161,1162,1163,1164,1165,1166,1167,1168,1169,1170,1171,1172,1173,1174,1175,1176,1177,1178,1179,1180,1181,1182,1183,1184,1185,1186,1187,1188,1189,1190,1191,1192,1193,1194,1195,1196,1197,1198,1199,1200,1201,1202,1203,1204,1205,1206,1207,1208,1209,1210,1211,1212,1213,1214,1215,1216,1217,1218,1219,1220,1221,1222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Chain of Custody Record

Environment Testing
America

Client Information		Sampler		Lab PM		Camer Tracking No(s)		COC No.	
Ms. Elaine Higgins		501 JA, ADV		Weinberg, Amy				680-124415-46584.7	
GSI Environmental, Inc		713-522-6300		E-Mail: amy.weinberg@eurofinset.com		State of Origin		Page 7 of 15	
Address: 2211 Norfolk, Suite 1000		City: Houston		State: TX		Zip: 77098-4044		Job #	
Phone: 713-522-6300(Tel)		PO #		WO #		Project #		SSOW#	
Email: ehiggins@gsi-net.com, wbsm.th@gsi-net.com		68020284		68020284		68020284		68020284	
Project Name: April 2021 RCRA CERCLA Ground		Site		Site		Site		Site	
Due Date Requested:		TAT Requested (days):		Compliance Project:		PO #		WO #	
Standard		46942652		46942652		46942652		46942652	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=other, BT=issue, A=air)	
OW-66A	4-14-21	1838		Water					
OW-08A	4-15-21	1216		Water					
OW-08A F	4-15-21	1216		Water					
OW-16A	4-15-21	1216		Water					
OW-16A F	4-15-21	1216		Water					
OW-21A	4-15-21	1019		Water					
OW-21A F	4-15-21	1019		Water					
MW-01B	4-14-21	955		Water					
MW-08	4-14-21	1746		Water					
MW-09A	4-14-21	1327		Water					
MW-11A	4-14-21	1036		Water					
Possible Hazard Identification		Poison B		Unknown		Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Non-Hazard		Flammable		Skin Irritant		Other (specify)		Return To Client	
Deliverable Requested: I, II, III, IV, Other (specify)		Level		FF				Disposal By Lab	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:		Special Instructions/QC Requirements:	
Relinquished by: Schuyler Robinson		Date/Time: 4-15-21		Company: GSI		Date/Time: 4-15-21		Company: GSI	
Relinquished by:		Date/Time:		Company:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Date/Time:		Company:	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Custody Seal Intact:		Custody Seal Intact:		Custody Seal Intact:		Custody Seal Intact:		Custody Seal Intact:	
Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	

Eurofins TestAmerica, Savannah
 5102 LaRoche Avenue
 Savannah, GA 31404
 Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	GOC No:
Client Contact:		Phone:	Weinberg, Amy		680-650962.1
Shipping/Receiving			E-Mail:	State of Origin:	Page: 1 of 2
Company:			amy.weinberg@eurofins.com	Alabama	Job #
TestAmerica Laboratories, Inc.			Accreditations Required (See note):		680-197821-1
Address:		Due Date Requested:	Preservation Codes:		
4955 Yarrow Street.		4/29/2021	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
City:		TAT Requested (days):	Analysis Requested		
Arvada			M - Hexane N - None O - ASNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		
State, Zip:		PO #:			
CO, 80002					
Phone:		WO #:			
303-736-0100(Tel) 303-431-7171(Fax)					
Email:		Project #:			
		68018993			
Project Name:		SSOW#:			
Anniston RCRA April 2020					
Site:					

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Overstabil, B=Test, A=NA)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	814/B/35/10C Parathion	814/B/35/10C Parathion/Sulfotep	Total Number of Containers	Special Instructions/Note:
MW-12A (680-197821-1)	4/13/21	16:20	Central	Water		X			2	
MW-14 (680-197821-2)	4/14/21	16:10	Central	Water			X		2	
OW-06A (680-197821-3)	4/14/21	18:38	Central	Water			X		2	
OW-16A (680-197821-4)	4/15/21	10:17	Central	Water			X		2	
OW-21A (680-197821-6)	4/15/21	10:19	Central	Water			X		2	
MW-01B (680-197821-8)	4/14/21	09:55	Central	Water			X		2	
MW-08 (680-197821-9)	4/14/21	17:46	Central	Water			X		2	
MW-09A (680-197821-10)	4/14/21	13:27	Central	Water			X		2	
MW-11A (680-197821-11)	4/14/21	10:36	Central	Water			X		2	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis of the matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica

Possible Hazard Identification	
Unconfirmed	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Return To Client	☐ Disposal By Lab
Special Instructions/QC Requirements:	
Archive For: Months	
Empty Kit Relinquished by:	
Date:	
Time:	
Relinquished by:	
Date/Time:	
Relinquished by:	
Date/Time:	
Relinquished by:	
Date/Time:	
Custody Seals Intact:	Custody Seal No.
Δ Yes Δ No	

Received by: Company
 Date/Time: Company
 Date/Time: Company
 Date/Time: Company
 Cooler Temperature(s) °C and Other Remarks: C.1/3.8/24/6.1 pg 0404

3/9/2022 (Rev. 1)

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197821-1

Login Number: 197821

List Source: Eurofins Savannah

List Number: 1

Creator: Mookan, Darmal

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197821-1

Login Number: 197821

List Source: Eurofins Savannah

List Number: 2

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197821-1

Login Number: 197821

List Number: 3

Creator: Dubicki, Adam L

List Source: Eurofins Denver

List Creation: 04/20/21 03:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: CERCLA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-197821-2
 Validation Date: 02 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197821-2

Analytical Method (type and no.): SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: T-10, OWR-3S

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)? <u>COC. All samples are grab samples.</u>	☐	☒	☐	<u>Sample types were inadvertently left off the</u>
f) Field QC noted?	☐	☐	☒	_____
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp, pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performance from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed? <u>COC. All samples are grab samples.</u>	☐	☒	☐	<u>Sample types were inadvertently left off the</u>
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	_____
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	_____
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>LCSD RPD = 14% (Lab limit= 50%)</u>
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits? <u>Method 8081B/8082A= 12% and 13%, respectively (NFG QC lower limit= 30%).</u>	☐	☒	☐	<u>DCB recovery in T-10 and OWR-3S for</u>
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	_____

Comments/Notes:

- (1) NFG= National Functional Guidelines for Organic Superfund Methods Data Review.
- (2) Low recoveries of surrogate DCB for Method 8081A/8082B in T-10 and OWR-3S occurred; therefore, non-detects are qualified as estimated UJ.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
T-10	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
T-10	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
OWR-3S	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery

Signature: 

Date: 02 November 2021

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

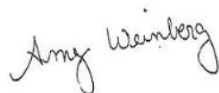
Laboratory Job ID: 680-197821-2

Client Project/Site: Anniston CERCLA April 2020

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
5/11/2021 8:57:48 AM

Amy Weinberg, Project Manager II
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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Job ID: 680-197821-2

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-197821-2

Comments

No additional comments.

Receipt

The samples were received on 4/17/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 10 coolers at receipt time were 2.9° C, 3.0° C, 4.0° C, 4.7° C, 4.7° C, 4.7° C, 4.9° C, 5.3° C, 5.8° C and 5.9° C.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8081B/8082A: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: T-10 (680-197821-12) and OWR-3S (680-197821-16). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-197821-12	T-10	Water	04/14/21 15:35	04/17/21 10:30	
680-197821-16	OWR-3S	Water	04/15/21 13:08	04/17/21 10:30	

Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Client Sample ID: T-10

Lab Sample ID: 680-197821-12

☐ No Detections.

Client Sample ID: OWR-3S

Lab Sample ID: 680-197821-16

☐ No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Client Sample ID: T-10

Lab Sample ID: 680-197821-12

Date Collected: 04/14/21 15:35

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/21/21 18:34	04/27/21 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	62		32 - 113				04/21/21 18:34	04/27/21 03:22	1
2-Fluorophenol	54		26 - 109				04/21/21 18:34	04/27/21 03:22	1
Nitrobenzene-d5	65		32 - 118				04/21/21 18:34	04/27/21 03:22	1
Phenol-d5	60		27 - 110				04/21/21 18:34	04/27/21 03:22	1
Terphenyl-d14	22		10 - 126				04/21/21 18:34	04/27/21 03:22	1
2,4,6-Tribromophenol	50		39 - 124				04/21/21 18:34	04/27/21 03:22	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.089	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1221	<0.50		0.50	0.094	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1242	<0.50		0.50	0.094	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1254	<0.50		0.50	0.055	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/27/21 15:39	04/28/21 21:47	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	12	S1-	14 - 130				04/27/21 15:39	04/28/21 21:47	1
Tetrachloro-m-xylene	56		40 - 130				04/27/21 15:39	04/28/21 21:47	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	89		60 - 154				04/21/21 17:33	05/07/21 14:45	1

Client Sample ID: OWR-3S

Lab Sample ID: 680-197821-16

Date Collected: 04/15/21 13:08

Matrix: Water

Date Received: 04/17/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/27/21 15:39	04/28/21 22:42	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	13	S1-	14 - 130				04/27/21 15:39	04/28/21 22:42	1
Tetrachloro-m-xylene	58		40 - 130				04/27/21 15:39	04/28/21 22:42	1

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
680-197821-12	T-10	62	54	65	60	22	50
LCS 680-665238/11-A	Lab Control Sample	84	78	84	82	79	94
LCSD 680-665238/12-A	Lab Control Sample Dup	69	65	69	70	70	72
MB 680-665238/10-A	Method Blank	92	74	96	82	74	98

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (14-130)	TCX2 (40-130)
680-197807-D-3-B MS	Matrix Spike	23	66

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (14-130)	TCX2 (40-130)
680-197807-D-3-C MSD	Matrix Spike Duplicate	40	62
680-197821-12	T-10	12 S1-	56
MB 680-666147/19-A	Method Blank	78	79

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (14-130)	TCX1 (40-130)
680-197821-16	OWR-3S	13 S1-	58

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020
TCX = Tetrachloro-m-xylene

Job ID: 680-197821-2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX1 (40-130)
LCS 680-666147/20-A	Lab Control Sample	76	77
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TPP1 (60-154)	
680-197807-A-3-B MS	Matrix Spike	94	
680-197807-A-3-C MSD	Matrix Spike Duplicate	95	
680-197821-12	T-10	89	
LCS 280-533387/2-A	Lab Control Sample	84	
MB 280-533387/1-A	Method Blank	108	
Surrogate Legend			
TPP = Triphenylphosphate			

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665238/10-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/21/21 18:34	04/26/21 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	92		32 - 113				04/21/21 18:34	04/26/21 22:46	1
2-Fluorophenol	74		26 - 109				04/21/21 18:34	04/26/21 22:46	1
Nitrobenzene-d5	96		32 - 118				04/21/21 18:34	04/26/21 22:46	1
Phenol-d5	82		27 - 110				04/21/21 18:34	04/26/21 22:46	1
Terphenyl-d14	74		10 - 126				04/21/21 18:34	04/26/21 22:46	1
2,4,6-Tribromophenol	98		39 - 124				04/21/21 18:34	04/26/21 22:46	1

Lab Sample ID: LCS 680-665238/11-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	202		ug/L		101	44 - 130
Surrogate	%Recovery	Qualifier	Limits				
2-Fluorobiphenyl	84		32 - 113				
2-Fluorophenol	78		26 - 109				
Nitrobenzene-d5	84		32 - 118				
Phenol-d5	82		27 - 110				
Terphenyl-d14	79		10 - 126				
2,4,6-Tribromophenol	94		39 - 124				

Lab Sample ID: LCSD 680-665238/12-A

Matrix: Water

Analysis Batch: 665941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665238

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitrophenol	200	176		ug/L		88	44 - 130	14	50
Surrogate	%Recovery	Qualifier	Limits						
2-Fluorobiphenyl	69		32 - 113						
2-Fluorophenol	65		26 - 109						
Nitrobenzene-d5	69		32 - 118						
Phenol-d5	70		27 - 110						
Terphenyl-d14	70		10 - 126						
2,4,6-Tribromophenol	72		39 - 124						

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-666147/19-A

Matrix: Water

Analysis Batch: 666273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1221	<0.50		0.50	0.095	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1242	<0.50		0.50	0.095	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1254	<0.50		0.50	0.055	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1260	<0.50		0.50	0.060	ug/L		04/27/21 15:39	04/28/21 16:55	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/27/21 15:39	04/28/21 16:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		14 - 130				04/27/21 15:39	04/28/21 16:55	1
Tetrachloro-m-xylene	79		40 - 130				04/27/21 15:39	04/28/21 16:55	1

Lab Sample ID: LCS 680-666147/20-A

Matrix: Water

Analysis Batch: 666273

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	3.00	2.34		ug/L		78	44 - 130
PCB-1260	3.00	2.38		ug/L		79	35 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	76		14 - 130				
Tetrachloro-m-xylene	77		40 - 130				

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-533387/1-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/21/21 17:33	05/07/21 06:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	108		60 - 154				04/21/21 17:33	05/07/21 06:54	1

Lab Sample ID: LCS 280-533387/2-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Parathion	4.00	3.16		ug/L		79	55 - 107

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 280-533387/2-A

Matrix: Water

Analysis Batch: 535256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533387

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Triphenylphosphate	84		60 - 154

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

GC/MS Semi VOA

Prep Batch: 665238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-12	T-10	Total/NA	Water	3520C	
MB 680-665238/10-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665238/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-665238/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 665941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-12	T-10	Total/NA	Water	8270D	665238
MB 680-665238/10-A	Method Blank	Total/NA	Water	8270D	665238
LCS 680-665238/11-A	Lab Control Sample	Total/NA	Water	8270D	665238
LCSD 680-665238/12-A	Lab Control Sample Dup	Total/NA	Water	8270D	665238

GC Semi VOA

Prep Batch: 533387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-12	T-10	Total/NA	Water	3510C	
MB 280-533387/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533387/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 535256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-12	T-10	Total/NA	Water	8141B	533387
MB 280-533387/1-A	Method Blank	Total/NA	Water	8141B	533387
LCS 280-533387/2-A	Lab Control Sample	Total/NA	Water	8141B	533387

Prep Batch: 666147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-12	T-10	Total/NA	Water	3520C	
680-197821-16	OWR-3S	Total/NA	Water	3520C	
MB 680-666147/19-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666147/20-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 666273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-666147/19-A	Method Blank	Total/NA	Water	8081B/8082A	666147
LCS 680-666147/20-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666147

Analysis Batch: 666277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197821-12	T-10	Total/NA	Water	8081B/8082A	666147
680-197821-16	OWR-3S	Total/NA	Water	8081B/8082A	666147

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Client Sample ID: T-10

Lab Sample ID: 680-197821-12

Date Collected: 04/14/21 15:35

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1006.6 mL	1 mL	665238	04/21/21 18:34	EHS	TAL SAV
Total/NA	Analysis	8270D		1			665941	04/27/21 03:22	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			1008.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 21:47	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1027.3 mL	2 mL	533387	04/21/21 17:33	NMC	TAL DEN
Total/NA	Analysis	8141B		1			535256	05/07/21 14:45	TMC	TAL DEN
Instrument ID: SGC_D2										

Client Sample ID: OWR-3S

Lab Sample ID: 680-197821-16

Date Collected: 04/15/21 13:08

Matrix: Water

Date Received: 04/17/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1019.9 mL	5 mL	666147	04/27/21 15:39	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666277	04/28/21 22:42	JCK	TAL SAV
Instrument ID: CSGJ										

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-21

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197821-2

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

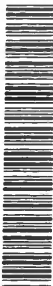
Chain of Custody Record



Client Information		Sampler: <i>SDP, JA, AJV</i>		Lab PM Weinberg, Amy	Carrier Tracking No(s)	COC No 680-124415-46584.1
Client Contact Ms. Elaine Higgins		Phone: <i>713-522-6300</i>		E-Mail amy.weinberg@eurofinstest.com	State of Origin	Page Page 1 of 15
Company GSI Environmental, Inc		PWSID		Job #		
Address 2211 Norfolk, Suite 1000 Houston TX, 77098-4044		Due Date Requested:		Analysis Requested		
City		TAT Requested (days): <i>Standard</i>				
State, Zip		Compliance Project: Δ Yes Δ No				
Phone 713-522-6300(Tel)		PO # <i>46992655</i>				
Email eahiggins@gsi-net.com, <i>whsmith@gsi-net.com</i>		WO #				
Project Name April 2021 RCRACERCLA Ground		Project # 68020284				
Site		SSOW#				
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other)	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)
<i>OWR-35</i>		<i>4-15-21</i>	<i>1308</i>		Water	
<i>7-10</i>		<i>4-14-21</i>	<i>1535</i>		Water	
					Water	
					Water	
					Water	
					Water	
					Water	
					Water	
					Water	
Possible Hazard Identification		Date: <i>4/15/21</i>		Time: <i>6:51</i>		Special Instructions/Note:
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Date Time: <i>4/15/21</i>		Company: <i>651</i>		
Deliverable Requested: I, II, III, IV, Other (specify) <i>Lead II</i>		Date/Time		Company		
Empty Kit Relinquished by:		Date/Time		Company		
Relinquished by: <i>Schuyler Robinson</i>		Date/Time		Company		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:
Relinquished by:		Date/Time		Company		
Relinquished by:		Date/Time		Company		
Custody Seals Intact Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks		

5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 F

Chain of Custody Record



**Environment Testing
America**

Client Information (Sub Contract Lab)						Sampler:	Lab PM: Weinberg, Amy	COC No: 680-650962.1							
Shipping/Receiving						Phone:	E-Mail: amy.weinberg@Eurofinset.com	Page: Job # 680-197821-1							
Company: TestAmerica Laboratories, Inc.						Accreditations Required (See note): State Program - Alabama									
Address: 4955 Yarrow Street, City Arvada State, Zip: CO 80002						Due Date Requested: 4/29/2021									
Phone: 303-736-0100(Tel) 303-431-7171(Fax)						TAT Requested (days):									
Email:						PO #:									
Project Name: Anniston RCRA April 2020						WO #:									
Site:						Project #: 68018993									
SSOW#:															
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BFF=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	814/B/3510C Parathion	814/B/3510C Parathion/Sulfotep	Total Number of containers	Special Instructions/Note:
MW-12A (680-197821-1)					4/13/21	16:20	Central		Water	X				2	
MW-14 (680-197821-2)					4/14/21	16:10	Central		Water		X			2	
OW-06A (680-197821-3)					4/14/21	18:38	Central		Water		X			2	
OW-16A (680-197821-4)					4/15/21	10:17	Central		Water		X			2	
OW-21A (680-197821-6)					4/15/21	10:19	Central		Water		X			2	
MW-01B (680-197821-8)					4/14/21	09:55	Central		Water		X			2	
MW-08 (680-197821-9)					4/14/21	17:46	Central		Water		X			2	
MW-09A (680-197821-10)					4/14/21	13:27	Central		Water		X			2	
MW-11A (680-197821-11)					4/14/21	10:36	Central		Water		X			2	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.															
Possible Hazard Identification															
Unconfirmed															
Deliverable Requested: I, II, III, IV, Other (specify)															
Primary Deliverable Rank: 2															
Date:															
Empty Kit Relinquished by:															
Relinquished by:															
Relinquished by:															
Relinquished by:															
Custody Seal Intact: Δ Yes Δ No															
Custody Seal No.															
Cooler Temperature(s) °C and Other Remarks: C.I./3.6/24/6.1 Tg9 CP404															

5/11/2021

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197821-2

Login Number: 197821

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Mookan, Darmal

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197821-2

Login Number: 197821

List Source: Eurofins TestAmerica, Savannah

List Number: 2

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197821-2

Login Number: 197821

List Number: 3

Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver

List Creation: 04/20/21 03:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: CERCLA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-197858-1
 Validation Date: 03 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197858-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: Field Duplicate 3, Field Duplicate 4, Field Duplicate 4F, OW-10, OW-10F, OWR-11, OWR-11F, OWR-15D, OWR-15DF, T-04, T-04F, T-09, T-09F, T-10, T-20F, Trip Blank 2021 0419 C

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	<u>Field Duplicate 4, Field Duplicate 4F (@OW-10, OW-10F), MS/MSD (@ OW-10) Field Duplicate 3 (@ T-09), Trip Blank 2021 0419 C</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☒	☐	☐	

Note Deficiencies: Surrogate Phenol-d5 is outside upper control limit for Method 8270D for the CCV; however, all associated samples are within control limits, so no qualification is required.

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☐	☒	☐	<u>Method 8141B for T-09 and Field Duplicate 3 was prepared 9 days after sample collection (i.e., >7 day holding time).</u>
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☐	☒	☐	<u>As a result of dilution, a subset of analytes for Method 8081B/8082A in T-04, T-04F, OWR-11, and OWR-11F did not achieve the appropriate RL of 0.5 ug/L.</u>
f) Were any sample dilutions noted?	☒	☐	☐	<u>Dilutions noted for Method 8081B/8082A for T-04 (DF=10), T-04F (DF=10), OWR-11 (DF=25), OWR-11F (DF=10), and OWR-15D (DF=5).</u>
g) Were any matrix problems noted?	☐	☒	☐	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☒	☐	☐	<u>Original – OW-10, Duplicate - Field Duplicate 4; Original – OW-10F, Duplicate – Field Duplicate 4F; Original – T-09, Duplicate – Field Duplicate 3</u>
b) Were field dup. precision criteria met (note RPD)?	☒	☐	☐	<u>OW-10 and Field Duplicate 4: Trichloroethene= 2.5%. T-09 and Field Duplicate 3: PCB-1248= 23.1%.</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>Multiple LCSDs, all RPDs ≤ 4%</u>
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
b) Was MSD accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
c) Were MS/MSD precision criteria met?	☒	☐	☐	_____

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☒	☐	☐	_____
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	_____

Comments/Notes:

- (1) Method 8141B for T-09 and Field Duplicate 3 was prepared outside of holding time. All results were not detected; therefore, they have been qualified as estimated UJ.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
T-09	Parathion	<1 ug/L	UJ	Extracted after holding time
Field Duplicate 3	Parathion	<1 ug/L	UJ	Extracted after holding time

Signature:  _____

Date: 03 November 2021 _____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: CERCLA Groundwater Monitoring

Project Number: 680-197858-1

Reviewer: Jessica Alanis

Validation Date: 03 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197858-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: OW-10, OW-10F, OWR-11, OWR-11F, T-04, T-04F, T-20, T-20F, Field Duplicate 4, Field Duplicate 4F

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted? <u>10, OW-10F, MS/MSD (@ OW-10)</u>	☒	☐	☐	<u>Field Duplicate 4, Field Duplicate 4F (@OW-</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp, pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☐	☒	☐	<u>As a result of dilution, elevated RLs in OW-10, OW-10F, and Field Duplicate 4F occurred for Method 7470A; however, all results were detections above these elevated RLs, so no qualification is required.</u>
f) Were any sample dilutions noted? <u>Field Duplicate 4F underwent dilutions (DF=5).</u>	☒	☐	☐	<u>Method 7470A for OW-10, OW-10F, and</u>
g) Were any matrix problems noted?	☐	☒	☐	

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)? <u>Duplicate 4: Original – OW-10F, Duplicate- Field Duplicate 4F</u>	☒	☐	☐	<u>Original – OW-10, Duplicate – Field</u>
b) Were field dup. precision criteria met (note RPD)?	☐	☒	☐	<u>OW-10 and Field Duplicate 4: Manganese= 0.0%, Mercury= 13.0%. OW-10F and Field Duplicate 4F: Beryllium= Not calculated (original= ND, duplicate= 0.0045 mg/L), Manganese= 0.0%, Mercury= 43.8% (above precision criteria of 35%).</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
b) Was MSD accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
c) Were MS/MSD precision criteria met?	☒	☐	☐	_____

Comments/Notes:

- (1) Mercury of Method 7470A for OW-10F and Field Duplicate 4F resulted in an RPD exceeding acceptance limits; therefore, these results have been qualified as estimated J.
- (2) Beryllium of Method 6010C RPD not calculated due to a non-detect result; therefore, results have been qualified as estimate J or UJ.

Data Qualification:

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Sample Name	Constituent(s)	Result	Qualifier	Reason
OW-10F	Mercury	0.0041 mg/L	J	RPD between original and duplicate >35%
Field Duplicate 4F	Mercury	0.0064 mg/L	J	RPD between original and duplicate >35%
OW-10F	Beryllium	<0.004 mg/L	UJ	RPD between original and duplicate not calculated due to a non-detect result
Field Duplicate 4F	Beryllium	0.0045 mg/L	J	RPD between original and duplicate not calculated due to a non-detect result

Signature:  _____

Date: 03 November 2021 _____

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

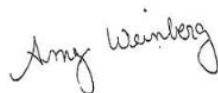
Laboratory Job ID: 680-197858-1

Client Project/Site: Anniston CERCLA April 2020

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
5/11/2021 9:02:22 AM

Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-197858-1	T-04 F	Water	04/17/21 15:54	04/20/21 10:30	
680-197858-2	OWR-11	Water	04/19/21 10:38	04/20/21 10:30	
680-197858-3	OWR-11 F	Water	04/19/21 10:38	04/20/21 10:30	
680-197858-4	OWR-15 D	Water	04/19/21 09:31	04/20/21 10:30	
680-197858-5	OWR-15 DF	Water	04/19/21 09:31	04/20/21 10:30	
680-197858-6	Trip Blank 2021 0419 C	Water	04/19/21 00:00	04/20/21 10:30	
680-197858-7	OW-10	Water	04/17/21 09:17	04/20/21 10:30	
680-197858-8	OW-10 F	Water	04/17/21 09:17	04/20/21 10:30	
680-197858-9	Field Duplicate 4	Water	04/17/21 00:00	04/20/21 10:30	
680-197858-10	Field Duplicate 4 F	Water	04/17/21 00:00	04/20/21 10:30	
680-197858-11	T-20	Water	04/17/21 09:17	04/20/21 10:30	
680-197858-12	T-20 F	Water	04/17/21 09:17	04/20/21 10:30	
680-197858-13	T-09	Water	04/17/21 15:27	04/20/21 10:30	
680-197858-14	T-09 F	Water	04/17/21 15:27	04/20/21 10:30	
680-197858-15	Field Duplicate 3	Water	04/17/21 00:00	04/20/21 10:30	
680-197858-16	T-04	Water	04/17/21 15:54	04/20/21 10:30	

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Job ID: 680-197858-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-197858-1

Comments

No additional comments.

Receipt

The samples were received on 4/20/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.9° C, 1.1° C, 1.4° C, 1.7° C, 2.5° C, 2.9° C and 3.9° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Methods 8270D, 8270E: Surrogate Phenol-d5 is outside upper control limit for the continuing calibration verification (CCV). All associated sample and QC surrogates recovered within control limits; therefore, the data has been reported. (CCVIS 680-666322/2)

Method 8270D: The following analyte has been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 4-Nitrophenol (27.5%). This analytes may have a %D >20% but must be <50% in the continuing calibration verification (CCV).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: T-04 F

Date Collected: 04/17/21 15:54

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-1

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.088	ug/L		04/29/21 18:12	04/30/21 20:05	1
PCB-1221, Dissolved	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 20:05	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:05	1
PCB-1242, Dissolved	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 20:05	1
PCB-1248, Dissolved	17	p	1.0	1.0	ug/L		04/29/21 18:12	05/01/21 19:11	10
PCB-1254, Dissolved	5.3		0.50	0.054	ug/L		04/29/21 18:12	04/30/21 20:05	1
PCB-1260, Dissolved	<0.50		0.50	0.059	ug/L		04/29/21 18:12	04/30/21 20:05	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		14 - 130				04/29/21 18:12	04/30/21 20:05	1
Tetrachloro-m-xylene	73		40 - 130				04/29/21 18:12	04/30/21 20:05	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	0.19		0.010	0.0010	mg/L		04/22/21 13:59	04/24/21 03:43	1

Client Sample ID: OWR-11

Date Collected: 04/19/21 10:38

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-2

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		05/03/21 18:06	05/04/21 18:19	1
PCB-1221	140		2.3	2.3	ug/L		05/03/21 18:06	05/05/21 23:37	25
PCB-1232	140		3.0	3.0	ug/L		05/03/21 18:06	05/05/21 23:37	25
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 18:19	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 18:19	1
PCB-1254	16		1.3	1.3	ug/L		05/03/21 18:06	05/05/21 23:37	25
PCB-1260	3.5		0.50	0.058	ug/L		05/03/21 18:06	05/04/21 18:19	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65	p	14 - 130				05/03/21 18:06	05/04/21 18:19	1
Tetrachloro-m-xylene	71		40 - 130				05/03/21 18:06	05/04/21 18:19	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.15		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:41	1
Manganese	3.2		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:41	1

Client Sample ID: OWR-11 F

Date Collected: 04/19/21 10:38

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-3

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.086	ug/L		04/29/21 18:12	04/30/21 20:20	1
PCB-1221, Dissolved	46		0.91	0.91	ug/L		04/29/21 18:12	05/01/21 19:25	10
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:20	1
PCB-1242, Dissolved	<0.50		0.50	0.091	ug/L		04/29/21 18:12	04/30/21 20:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: OWR-11 F

Lab Sample ID: 680-197858-3

Date Collected: 04/19/21 10:38

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248, Dissolved	23		1.0	1.0	ug/L		04/29/21 18:12	05/01/21 19:25	10
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 20:20	1
PCB-1260, Dissolved	1.2		0.50	0.057	ug/L		04/29/21 18:12	04/30/21 20:20	1
PCB-1268, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		14 - 130				04/29/21 18:12	04/30/21 20:20	1
Tetrachloro-m-xylene	102		40 - 130				04/29/21 18:12	04/30/21 20:20	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt, Dissolved	0.15		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:46	1
Manganese, Dissolved	3.1		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:46	1

Client Sample ID: OWR-15 D

Lab Sample ID: 680-197858-4

Date Collected: 04/19/21 09:31

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.086	ug/L		05/03/21 18:06	05/04/21 18:38	1
PCB-1221	20		0.50	0.45	ug/L		05/03/21 18:06	05/05/21 23:56	5
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 18:38	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 18:38	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 18:38	1
PCB-1254	<0.50		0.50	0.052	ug/L		05/03/21 18:06	05/04/21 18:38	1
PCB-1260	<0.50		0.50	0.057	ug/L		05/03/21 18:06	05/04/21 18:38	1
PCB-1268	<0.50		0.50	0.11	ug/L		05/03/21 18:06	05/04/21 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	22		14 - 130				05/03/21 18:06	05/04/21 18:38	1
Tetrachloro-m-xylene	63	p	40 - 130				05/03/21 18:06	05/04/21 18:38	1

Client Sample ID: OWR-15 DF

Lab Sample ID: 680-197858-5

Date Collected: 04/19/21 09:31

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.088	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1221, Dissolved	6.4		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1242, Dissolved	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1254, Dissolved	<0.50		0.50	0.054	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1260, Dissolved	<0.50		0.50	0.059	ug/L		04/29/21 18:12	04/30/21 20:35	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	33		14 - 130				04/29/21 18:12	04/30/21 20:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: OWR-15 DF

Lab Sample ID: 680-197858-5

Date Collected: 04/19/21 09:31

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73	p	40 - 130	04/29/21 18:12	04/30/21 20:35	1

Client Sample ID: Trip Blank 2021 0419 C

Lab Sample ID: 680-197858-6

Date Collected: 04/19/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/29/21 14:25	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Toluene-d8 (Surr)	91		70 - 130		04/29/21 14:25	1			
1,2-Dichloroethane-d4 (Surr)	75		60 - 124		04/29/21 14:25	1			
Dibromofluoromethane (Surr)	87		70 - 130		04/29/21 14:25	1			
4-Bromofluorobenzene (Surr)	89		70 - 130		04/29/21 14:25	1			

Client Sample ID: OW-10

Lab Sample ID: 680-197858-7

Date Collected: 04/17/21 09:17

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3.9		1.0	0.48	ug/L			04/30/21 19:29	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Toluene-d8 (Surr)	93		70 - 130		04/30/21 19:29	1			
1,2-Dichloroethane-d4 (Surr)	105		60 - 124		04/30/21 19:29	1			
Dibromofluoromethane (Surr)	112		70 - 130		04/30/21 19:29	1			
4-Bromofluorobenzene (Surr)	91		70 - 130		04/30/21 19:29	1			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1221	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1242	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1254	<0.50		0.50	0.055	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1260	<0.50		0.50	0.060	ug/L		05/03/21 18:06	05/04/21 18:56	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 18:56	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
DCB Decachlorobiphenyl	16		14 - 130		05/03/21 18:06	1			
Tetrachloro-m-xylene	82		40 - 130		05/03/21 18:06	1			

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0040		0.0040	0.00010	mg/L		04/21/21 09:23	04/22/21 22:22	1
Manganese	1.2		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 22:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: OW-10

Date Collected: 04/17/21 09:17

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-7

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0036	F1	0.00040	0.00040	mg/L		04/22/21 16:03	04/28/21 16:20	5

Client Sample ID: OW-10 F

Date Collected: 04/17/21 09:17

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-8

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.091	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1221, Dissolved	<0.50		0.50	0.096	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1242, Dissolved	<0.50		0.50	0.096	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/29/21 18:12	04/30/21 20:50	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	29		14 - 130				04/29/21 18:12	04/30/21 20:50	1
Tetrachloro-m-xylene	79		40 - 130				04/29/21 18:12	04/30/21 20:50	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium, Dissolved	<0.0040		0.0040	0.00010	mg/L		04/21/21 09:23	04/23/21 00:20	1
Manganese, Dissolved	1.3		0.010	0.0010	mg/L		04/21/21 09:23	04/23/21 00:20	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.0041		0.00040	0.00040	mg/L		04/22/21 16:03	04/28/21 16:35	5

Client Sample ID: Field Duplicate 4

Date Collected: 04/17/21 00:00

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	4.0		1.0	0.48	ug/L			04/30/21 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130					04/30/21 18:01	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124					04/30/21 18:01	1
Dibromofluoromethane (Surr)	95		70 - 130					04/30/21 18:01	1
4-Bromofluorobenzene (Surr)	92		70 - 130					04/30/21 18:01	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		05/03/21 18:06	05/04/21 19:14	1
PCB-1221	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 19:14	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 19:14	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 19:14	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 19:14	1
PCB-1254	<0.50		0.50	0.053	ug/L		05/03/21 18:06	05/04/21 19:14	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: Field Duplicate 4

Lab Sample ID: 680-197858-9

Date Collected: 04/17/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	<0.50		0.50	0.058	ug/L		05/03/21 18:06	05/04/21 19:14	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	21		14 - 130				05/03/21 18:06	05/04/21 19:14	1
Tetrachloro-m-xylene	53	p	40 - 130				05/03/21 18:06	05/04/21 19:14	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0040		0.0040	0.00010	mg/L		04/21/21 09:23	04/22/21 23:50	1
Manganese	1.2		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0041		0.00020	0.000080	mg/L		04/22/21 16:03	04/27/21 17:01	1

Client Sample ID: Field Duplicate 4 F

Lab Sample ID: 680-197858-10

Date Collected: 04/17/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1221	<0.50		0.50	0.092	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1242	<0.50		0.50	0.092	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1254	<0.50		0.50	0.053	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1260	<0.50		0.50	0.058	ug/L		05/03/21 18:06	05/04/21 19:32	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	34		14 - 130				05/03/21 18:06	05/04/21 19:32	1
Tetrachloro-m-xylene	59	p	40 - 130				05/03/21 18:06	05/04/21 19:32	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.0045		0.0040	0.00010	mg/L		04/21/21 09:23	04/22/21 23:55	1
Manganese	1.3		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0064		0.00040	0.00040	mg/L		04/27/21 10:09	04/28/21 17:20	5

Client Sample ID: T-20

Lab Sample ID: 680-197858-11

Date Collected: 04/17/21 09:17

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.086	ug/L		05/03/21 18:06	05/04/21 19:50	1
PCB-1221	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 19:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: T-20

Lab Sample ID: 680-197858-11

Date Collected: 04/17/21 09:17

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 19:50	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 19:50	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 19:50	1
PCB-1254	<0.50		0.50	0.053	ug/L		05/03/21 18:06	05/04/21 19:50	1
PCB-1260	<0.50		0.50	0.058	ug/L		05/03/21 18:06	05/04/21 19:50	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		14 - 130	05/03/21 18:06	05/04/21 19:50	1
Tetrachloro-m-xylene	78		40 - 130	05/03/21 18:06	05/04/21 19:50	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.6		0.010	0.0010	mg/L		04/22/21 13:59	04/24/21 03:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 18:53	04/26/21 22:34	1

Client Sample ID: T-20 F

Lab Sample ID: 680-197858-12

Date Collected: 04/17/21 09:17

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1221, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1242, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 21:05	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		14 - 130	04/29/21 18:12	04/30/21 21:05	1
Tetrachloro-m-xylene	82		40 - 130	04/29/21 18:12	04/30/21 21:05	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	2.5		0.010	0.0010	mg/L		04/21/21 09:23	04/23/21 00:05	1

Client Sample ID: T-09

Lab Sample ID: 680-197858-13

Date Collected: 04/17/21 15:27

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		04/23/21 18:13	04/28/21 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		32 - 113	04/23/21 18:13	04/28/21 21:10	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: T-09

Lab Sample ID: 680-197858-13

Date Collected: 04/17/21 15:27

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	73		26 - 109	04/23/21 18:13	04/28/21 21:10	1
Nitrobenzene-d5	88		32 - 118	04/23/21 18:13	04/28/21 21:10	1
Phenol-d5	86		27 - 110	04/23/21 18:13	04/28/21 21:10	1
Terphenyl-d14	78		10 - 126	04/23/21 18:13	04/28/21 21:10	1
2,4,6-Tribromophenol	94		39 - 124	04/23/21 18:13	04/28/21 21:10	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1221	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1248	2.9		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1254	<0.50		0.50	0.053	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1260	<0.50		0.50	0.058	ug/L		05/03/21 18:06	05/04/21 20:08	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		14 - 130				05/03/21 18:06	05/04/21 20:08	1
Tetrachloro-m-xylene	79		40 - 130				05/03/21 18:06	05/04/21 20:08	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0	H	1.0	0.14	ug/L		04/26/21 13:02	05/08/21 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	87		60 - 154				04/26/21 13:02	05/08/21 19:12	1

Client Sample ID: T-09 F

Lab Sample ID: 680-197858-14

Date Collected: 04/17/21 15:27

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.086	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1221, Dissolved	<0.50		0.50	0.091	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1242, Dissolved	<0.50		0.50	0.091	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1260, Dissolved	<0.50		0.50	0.057	ug/L		04/29/21 18:12	04/30/21 21:19	1
PCB-1268, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	120		14 - 130				04/29/21 18:12	04/30/21 21:19	1
Tetrachloro-m-xylene	94		40 - 130				04/29/21 18:12	04/30/21 21:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: Field Duplicate 3

Lab Sample ID: 680-197858-15

Date Collected: 04/17/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	2.0	ug/L		04/23/21 18:13	04/28/21 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		32 - 113				04/23/21 18:13	04/28/21 21:32	1
2-Fluorophenol	65		26 - 109				04/23/21 18:13	04/28/21 21:32	1
Nitrobenzene-d5	81		32 - 118				04/23/21 18:13	04/28/21 21:32	1
Phenol-d5	77		27 - 110				04/23/21 18:13	04/28/21 21:32	1
Terphenyl-d14	79		10 - 126				04/23/21 18:13	04/28/21 21:32	1
2,4,6-Tribromophenol	93		39 - 124				04/23/21 18:13	04/28/21 21:32	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.086	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1221	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1248	2.3	p	0.50	0.10	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1254	<0.50		0.50	0.053	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1260	<0.50		0.50	0.057	ug/L		05/03/21 18:06	05/04/21 20:26	1
PCB-1268	<0.50		0.50	0.11	ug/L		05/03/21 18:06	05/04/21 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		14 - 130				05/03/21 18:06	05/04/21 20:26	1
Tetrachloro-m-xylene	76		40 - 130				05/03/21 18:06	05/04/21 20:26	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0	H	1.0	0.14	ug/L		04/26/21 13:02	05/08/21 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	99		60 - 154				04/26/21 13:02	05/08/21 19:51	1

Client Sample ID: T-04

Lab Sample ID: 680-197858-16

Date Collected: 04/17/21 15:54

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.086	ug/L		05/03/21 18:06	05/04/21 20:45	1
PCB-1221	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 20:45	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 20:45	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 20:45	1
PCB-1248	46		1.0	1.0	ug/L		05/03/21 18:06	05/06/21 00:14	10
PCB-1254	12		0.53	0.53	ug/L		05/03/21 18:06	05/06/21 00:14	10
PCB-1260	0.75		0.50	0.057	ug/L		05/03/21 18:06	05/04/21 20:45	1
PCB-1268	<0.50		0.50	0.11	ug/L		05/03/21 18:06	05/04/21 20:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		14 - 130				05/03/21 18:06	05/04/21 20:45	1
Tetrachloro-m-xylene	65		40 - 130				05/03/21 18:06	05/04/21 20:45	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: T-04

Lab Sample ID: 680-197858-16

Date Collected: 04/17/21 15:54

Matrix: Water

Date Received: 04/20/21 10:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.18		0.010	0.0010	mg/L		04/22/21 13:59	04/24/21 03:05	1

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-666415/8

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/29/21 13:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130					04/29/21 13:38	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124					04/29/21 13:38	1
Dibromofluoromethane (Surr)	86		70 - 130					04/29/21 13:38	1
4-Bromofluorobenzene (Surr)	84		70 - 130					04/29/21 13:38	1

Lab Sample ID: LCS 680-666415/3

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	98		70 - 130				
1,2-Dichloroethane-d4 (Surr)	85		60 - 124				
Dibromofluoromethane (Surr)	98		70 - 130				
4-Bromofluorobenzene (Surr)	92		70 - 130				

Lab Sample ID: LCSD 680-666415/4

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	47.5		ug/L		95	70 - 130	2	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
1,2-Dichloroethane-d4 (Surr)	87		60 - 124						
Dibromofluoromethane (Surr)	99		70 - 130						
4-Bromofluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: MB 680-666619/8

Matrix: Water

Analysis Batch: 666619

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0	0.48	ug/L			04/30/21 12:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130					04/30/21 12:39	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124					04/30/21 12:39	1
Dibromofluoromethane (Surr)	93		70 - 130					04/30/21 12:39	1
4-Bromofluorobenzene (Surr)	95		70 - 130					04/30/21 12:39	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-666619/3

Matrix: Water

Analysis Batch: 666619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	47.8		ug/L		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	108		70 - 130				
1,2-Dichloroethane-d4 (Surr)	106		60 - 124				
Dibromofluoromethane (Surr)	106		70 - 130				
4-Bromofluorobenzene (Surr)	108		70 - 130				

Lab Sample ID: LCSD 680-666619/4

Matrix: Water

Analysis Batch: 666619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	48.3		ug/L		97	70 - 130	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	107		70 - 130						
1,2-Dichloroethane-d4 (Surr)	101		60 - 124						
Dibromofluoromethane (Surr)	102		70 - 130						
4-Bromofluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: MB 680-666625/8

Matrix: Water

Analysis Batch: 666625

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0	0.48	ug/L			04/30/21 13:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Toluene-d8 (Surr)	92		70 - 130		04/30/21 13:05	1			
1,2-Dichloroethane-d4 (Surr)	102		60 - 124		04/30/21 13:05	1			
Dibromofluoromethane (Surr)	108		70 - 130		04/30/21 13:05	1			
4-Bromofluorobenzene (Surr)	94		70 - 130		04/30/21 13:05	1			

Lab Sample ID: LCS 680-666625/3

Matrix: Water

Analysis Batch: 666625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	54.2		ug/L		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	108		70 - 130				
1,2-Dichloroethane-d4 (Surr)	113		60 - 124				
Dibromofluoromethane (Surr)	112		70 - 130				
4-Bromofluorobenzene (Surr)	118		70 - 130				

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-666625/4

Matrix: Water

Analysis Batch: 666625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	56.5		ug/L		113	70 - 130	4	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	107		70 - 130						
1,2-Dichloroethane-d4 (Surr)	107		60 - 124						
Dibromofluoromethane (Surr)	108		70 - 130						
4-Bromofluorobenzene (Surr)	117		70 - 130						

Lab Sample ID: 680-197858-7 MS

Matrix: Water

Analysis Batch: 666625

Client Sample ID: OW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	3.9		50.0	60.2		ug/L		113	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Toluene-d8 (Surr)	105		70 - 130								
1,2-Dichloroethane-d4 (Surr)	105		60 - 124								
Dibromofluoromethane (Surr)	112		70 - 130								
4-Bromofluorobenzene (Surr)	109		70 - 130								

Lab Sample ID: 680-197858-7 MSD

Matrix: Water

Analysis Batch: 666625

Client Sample ID: OW-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	3.9		50.0	59.8		ug/L		112	70 - 130	1	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	105		70 - 130								
1,2-Dichloroethane-d4 (Surr)	103		60 - 124								
Dibromofluoromethane (Surr)	107		70 - 130								
4-Bromofluorobenzene (Surr)	108		70 - 130								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665609/7-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/23/21 18:13	04/28/21 18:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
2-Fluorobiphenyl	82		32 - 113	04/23/21 18:13	04/28/21 18:41	1			
2-Fluorophenol	70		26 - 109	04/23/21 18:13	04/28/21 18:41	1			
Nitrobenzene-d5	83		32 - 118	04/23/21 18:13	04/28/21 18:41	1			

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-665609/7-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665609

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	91		27 - 110	04/23/21 18:13	04/28/21 18:41	1
Terphenyl-d14	83		10 - 126	04/23/21 18:13	04/28/21 18:41	1
2,4,6-Tribromophenol	89		39 - 124	04/23/21 18:13	04/28/21 18:41	1

Lab Sample ID: LCS 680-665609/8-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	231		ug/L		116	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	84		32 - 113
2-Fluorophenol	88		26 - 109
Nitrobenzene-d5	90		32 - 118
Phenol-d5	96		27 - 110
Terphenyl-d14	87		10 - 126
2,4,6-Tribromophenol	96		39 - 124

Lab Sample ID: LCSD 680-665609/9-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665609

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4-Nitrophenol	200	237		ug/L		118	44 - 130	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	84		32 - 113
2-Fluorophenol	90		26 - 109
Nitrobenzene-d5	86		32 - 118
Phenol-d5	99		27 - 110
Terphenyl-d14	88		10 - 126
2,4,6-Tribromophenol	103		39 - 124

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-666459/13-A

Matrix: Water

Analysis Batch: 666749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.090	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1221, Dissolved	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1242, Dissolved	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/29/21 18:12	04/30/21 19:20	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-666459/13-A

Matrix: Water

Analysis Batch: 666749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 19:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		14 - 130				04/29/21 18:12	04/30/21 19:20	1
Tetrachloro-m-xylene	85		40 - 130				04/29/21 18:12	04/30/21 19:20	1

Lab Sample ID: LCS 680-666459/14-A

Matrix: Water

Analysis Batch: 666749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
PCB-1016, Dissolved	3.00	2.69		ug/L		90	44 - 130	
PCB-1260, Dissolved	3.00	3.21		ug/L		107	35 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
DCB Decachlorobiphenyl	96		14 - 130					
Tetrachloro-m-xylene	89		40 - 130					

Lab Sample ID: LCSD 680-666459/15-A

Matrix: Water

Analysis Batch: 666749

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 666459

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016, Dissolved	3.00	2.70		ug/L		90	44 - 130	0	30
PCB-1260, Dissolved	3.00	3.16		ug/L		105	35 - 130	1	40
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
DCB Decachlorobiphenyl	96		14 - 130						
Tetrachloro-m-xylene	89		40 - 130						

Lab Sample ID: MB 680-666989/12-A

Matrix: Water

Analysis Batch: 666972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1221	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1232	<0.50		0.50	0.13	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1242	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1248	<0.50		0.50	0.11	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1254	<0.50		0.50	0.055	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1260	<0.50		0.50	0.060	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 17:43	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-666989/12-A

Matrix: Water

Analysis Batch: 666972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666989

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		14 - 130	05/03/21 18:06	05/04/21 17:43	1
Tetrachloro-m-xylene	76		40 - 130	05/03/21 18:06	05/04/21 17:43	1

Lab Sample ID: LCS 680-666989/13-A

Matrix: Water

Analysis Batch: 666972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	3.00	1.99		ug/L		66	44 - 130
PCB-1260	3.00	3.13		ug/L		104	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	88		14 - 130
Tetrachloro-m-xylene	78		40 - 130

Lab Sample ID: 680-197858-7 MS

Matrix: Water

Analysis Batch: 666972

Client Sample ID: OW-10

Prep Type: Total/NA

Prep Batch: 666989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.50		2.87	2.00	p	ug/L		69	44 - 130
PCB-1260	<0.50		2.87	3.09		ug/L		108	35 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	33		14 - 130
Tetrachloro-m-xylene	84		40 - 130

Lab Sample ID: 680-197858-7 MSD

Matrix: Water

Analysis Batch: 666972

Client Sample ID: OW-10

Prep Type: Total/NA

Prep Batch: 666989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<0.50		2.92	2.96		ug/L		101	44 - 130	4	50
PCB-1260	<0.50		2.92	2.64		ug/L		90	35 - 130	16	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	24		14 - 130
Tetrachloro-m-xylene	78		40 - 130

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-533886/1-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 533886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/26/21 13:02	05/08/21 17:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	85		60 - 154				04/26/21 13:02	05/08/21 17:15	1

Lab Sample ID: LCS 280-533886/2-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 533886

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Parathion		4.00	3.26		ug/L		81	55 - 107	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Triphenylphosphate	92		60 - 154						

Lab Sample ID: LCSD 280-533886/3-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 533886

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Parathion		4.00	3.33		ug/L		83	55 - 107	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
Triphenylphosphate	90		60 - 154							

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-665105/1-A
Matrix: Water
Analysis Batch: 665547

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 665105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0040		0.0040	0.00010	mg/L		04/21/21 09:22	04/22/21 22:03	1
Beryllium, Dissolved	<0.0040		0.0040	0.00010	mg/L		04/21/21 09:22	04/22/21 22:03	1
Cobalt	<0.010		0.010	0.0010	mg/L		04/21/21 09:22	04/22/21 22:03	1
Cobalt, Dissolved	<0.010		0.010	0.0010	mg/L		04/21/21 09:22	04/22/21 22:03	1
Manganese	<0.010		0.010	0.0010	mg/L		04/21/21 09:22	04/22/21 22:03	1
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/21/21 09:22	04/22/21 22:03	1

Lab Sample ID: LCS 680-665105/2-A
Matrix: Water
Analysis Batch: 665547

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 665105

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Beryllium		0.0500	0.0505		mg/L		101	80 - 120	
Beryllium, Dissolved		0.0500	0.0505		mg/L		101	80 - 120	
Cobalt		0.0500	0.0490		mg/L		98	80 - 120	

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-665105/2-A

Matrix: Water

Analysis Batch: 665547

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 665105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt, Dissolved	0.0500	0.0490		mg/L		98	80 - 120
Manganese	0.400	0.395		mg/L		99	80 - 120
Manganese, Dissolved	0.400	0.395		mg/L		99	80 - 120

Lab Sample ID: 680-197858-7 MS

Matrix: Water

Analysis Batch: 665547

Client Sample ID: OW-10

Prep Type: Total Recoverable

Prep Batch: 665105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	<0.0040		0.0500	0.0543		mg/L		102	75 - 125
Manganese	1.2		0.400	1.55		mg/L		78	75 - 125

Lab Sample ID: 680-197858-7 MSD

Matrix: Water

Analysis Batch: 665547

Client Sample ID: OW-10

Prep Type: Total Recoverable

Prep Batch: 665105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	<0.0040		0.0500	0.0543		mg/L		102	75 - 125	0	20
Manganese	1.2		0.400	1.58		mg/L		86	75 - 125	2	20

Lab Sample ID: MB 680-665371/1-A

Matrix: Water

Analysis Batch: 665713

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 665371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.010		0.010	0.0010	mg/L		04/22/21 13:59	04/24/21 02:16	1
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/22/21 13:59	04/24/21 02:16	1

Lab Sample ID: LCS 680-665371/2-A

Matrix: Water

Analysis Batch: 665713

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 665371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.400	0.405		mg/L		101	80 - 120
Manganese, Dissolved	0.400	0.405		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-665404/1-A

Matrix: Water

Analysis Batch: 666452

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 16:03	04/27/21 14:45	1
Mercury, Dissolved	<0.00020		0.00020	0.000080	mg/L		04/22/21 16:03	04/27/21 14:45	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-665404/2-A
Matrix: Water
Analysis Batch: 666452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00248		mg/L		99	80 - 120
Mercury, Dissolved	0.00250	0.00248		mg/L		99	80 - 120

Lab Sample ID: 680-197858-7 MS
Matrix: Water
Analysis Batch: 666453

Client Sample ID: OW-10
Prep Type: Total/NA
Prep Batch: 665404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0036	F1	0.00100	0.00443		mg/L		84	80 - 120

Lab Sample ID: 680-197858-7 MSD
Matrix: Water
Analysis Batch: 666453

Client Sample ID: OW-10
Prep Type: Total/NA
Prep Batch: 665404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.0036	F1	0.00100	0.00426	F1	mg/L		66	80 - 120	4	20

Lab Sample ID: MB 680-665431/1-A
Matrix: Water
Analysis Batch: 665947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 18:53	04/24/21 15:24	1

Lab Sample ID: LCS 680-665431/2-A
Matrix: Water
Analysis Batch: 665947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00248		mg/L		99	80 - 120

Lab Sample ID: MB 680-666044/1-A
Matrix: Water
Analysis Batch: 666453

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/27/21 10:09	04/28/21 14:51	1

Lab Sample ID: LCS 680-666044/2-A
Matrix: Water
Analysis Batch: 666453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00250		mg/L		100	80 - 120

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

GC/MS VOA

Analysis Batch: 666415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-6	Trip Blank 2021 0419 C	Total/NA	Water	8260B	
MB 680-666415/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666415/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666415/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 666619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-9	Field Duplicate 4	Total/NA	Water	8260B	
MB 680-666619/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666619/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666619/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 666625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-7	OW-10	Total/NA	Water	8260B	
MB 680-666625/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666625/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666625/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-197858-7 MS	OW-10	Total/NA	Water	8260B	
680-197858-7 MSD	OW-10	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 665609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-13	T-09	Total/NA	Water	3520C	
680-197858-15	Field Duplicate 3	Total/NA	Water	3520C	
MB 680-665609/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665609/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-665609/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 666322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-13	T-09	Total/NA	Water	8270D	665609
680-197858-15	Field Duplicate 3	Total/NA	Water	8270D	665609
MB 680-665609/7-A	Method Blank	Total/NA	Water	8270D	665609
LCS 680-665609/8-A	Lab Control Sample	Total/NA	Water	8270D	665609
LCSD 680-665609/9-A	Lab Control Sample Dup	Total/NA	Water	8270D	665609

GC Semi VOA

Prep Batch: 533886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-13	T-09	Total/NA	Water	3510C	
680-197858-15	Field Duplicate 3	Total/NA	Water	3510C	
MB 280-533886/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533886/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-533886/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 535467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-13	T-09	Total/NA	Water	8141B	533886

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

GC Semi VOA (Continued)

Analysis Batch: 535467 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-15	Field Duplicate 3	Total/NA	Water	8141B	533886
MB 280-533886/1-A	Method Blank	Total/NA	Water	8141B	533886
LCS 280-533886/2-A	Lab Control Sample	Total/NA	Water	8141B	533886
LCSD 280-533886/3-A	Lab Control Sample Dup	Total/NA	Water	8141B	533886

Prep Batch: 666459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-1	T-04 F	Dissolved	Water	3520C	
680-197858-3	OWR-11 F	Dissolved	Water	3520C	
680-197858-5	OWR-15 DF	Dissolved	Water	3520C	
680-197858-8	OW-10 F	Dissolved	Water	3520C	
680-197858-12	T-20 F	Dissolved	Water	3520C	
680-197858-14	T-09 F	Dissolved	Water	3520C	
MB 680-666459/13-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666459/14-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666459/15-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 666749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-1	T-04 F	Dissolved	Water	8081B/8082A	666459
680-197858-3	OWR-11 F	Dissolved	Water	8081B/8082A	666459
680-197858-5	OWR-15 DF	Dissolved	Water	8081B/8082A	666459
680-197858-8	OW-10 F	Dissolved	Water	8081B/8082A	666459
680-197858-12	T-20 F	Dissolved	Water	8081B/8082A	666459
680-197858-14	T-09 F	Dissolved	Water	8081B/8082A	666459
MB 680-666459/13-A	Method Blank	Total/NA	Water	8081B/8082A	666459
LCS 680-666459/14-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666459
LCSD 680-666459/15-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	666459

Analysis Batch: 666804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-1	T-04 F	Dissolved	Water	8081B/8082A	666459
680-197858-3	OWR-11 F	Dissolved	Water	8081B/8082A	666459

Analysis Batch: 666972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-2	OWR-11	Total/NA	Water	8081B/8082A	666989
680-197858-4	OWR-15 D	Total/NA	Water	8081B/8082A	666989
680-197858-7	OW-10	Total/NA	Water	8081B/8082A	666989
680-197858-9	Field Duplicate 4	Total/NA	Water	8081B/8082A	666989
680-197858-10	Field Duplicate 4 F	Total/NA	Water	8081B/8082A	666989
680-197858-11	T-20	Total/NA	Water	8081B/8082A	666989
680-197858-13	T-09	Total/NA	Water	8081B/8082A	666989
680-197858-15	Field Duplicate 3	Total/NA	Water	8081B/8082A	666989
680-197858-16	T-04	Total/NA	Water	8081B/8082A	666989
MB 680-666989/12-A	Method Blank	Total/NA	Water	8081B/8082A	666989
LCS 680-666989/13-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666989
680-197858-7 MS	OW-10	Total/NA	Water	8081B/8082A	666989
680-197858-7 MSD	OW-10	Total/NA	Water	8081B/8082A	666989

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

GC Semi VOA

Prep Batch: 666989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-2	OWR-11	Total/NA	Water	3520C	
680-197858-4	OWR-15 D	Total/NA	Water	3520C	
680-197858-7	OW-10	Total/NA	Water	3520C	
680-197858-9	Field Duplicate 4	Total/NA	Water	3520C	
680-197858-10	Field Duplicate 4 F	Total/NA	Water	3520C	
680-197858-11	T-20	Total/NA	Water	3520C	
680-197858-13	T-09	Total/NA	Water	3520C	
680-197858-15	Field Duplicate 3	Total/NA	Water	3520C	
680-197858-16	T-04	Total/NA	Water	3520C	
MB 680-666989/12-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666989/13-A	Lab Control Sample	Total/NA	Water	3520C	
680-197858-7 MS	OW-10	Total/NA	Water	3520C	
680-197858-7 MSD	OW-10	Total/NA	Water	3520C	

Analysis Batch: 667356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-2	OWR-11	Total/NA	Water	8081B/8082A	666989
680-197858-4	OWR-15 D	Total/NA	Water	8081B/8082A	666989
680-197858-16	T-04	Total/NA	Water	8081B/8082A	666989

Metals

Prep Batch: 665105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-2	OWR-11	Total Recoverable	Water	3005A	
680-197858-3	OWR-11 F	Dissolved	Water	3005A	
680-197858-7	OW-10	Total Recoverable	Water	3005A	
680-197858-8	OW-10 F	Dissolved	Water	3005A	
680-197858-9	Field Duplicate 4	Total Recoverable	Water	3005A	
680-197858-10	Field Duplicate 4 F	Total Recoverable	Water	3005A	
680-197858-12	T-20 F	Dissolved	Water	3005A	
MB 680-665105/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-665105/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-197858-7 MS	OW-10	Total Recoverable	Water	3005A	
680-197858-7 MSD	OW-10	Total Recoverable	Water	3005A	

Prep Batch: 665371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-1	T-04 F	Dissolved	Water	3005A	
680-197858-11	T-20	Total Recoverable	Water	3005A	
680-197858-16	T-04	Total Recoverable	Water	3005A	
MB 680-665371/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-665371/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 665404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-7	OW-10	Total/NA	Water	7470A	
680-197858-8	OW-10 F	Dissolved	Water	7470A	
680-197858-9	Field Duplicate 4	Total/NA	Water	7470A	
MB 680-665404/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-665404/2-A	Lab Control Sample	Total/NA	Water	7470A	

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Metals (Continued)

Prep Batch: 665404 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-7 MS	OW-10	Total/NA	Water	7470A	
680-197858-7 MSD	OW-10	Total/NA	Water	7470A	

Prep Batch: 665431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-11	T-20	Total/NA	Water	7470A	
MB 680-665431/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-665431/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 665547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-2	OWR-11	Total Recoverable	Water	6010C	665105
680-197858-3	OWR-11 F	Dissolved	Water	6010C	665105
680-197858-7	OW-10	Total Recoverable	Water	6010C	665105
680-197858-8	OW-10 F	Dissolved	Water	6010C	665105
680-197858-9	Field Duplicate 4	Total Recoverable	Water	6010C	665105
680-197858-10	Field Duplicate 4 F	Total Recoverable	Water	6010C	665105
680-197858-12	T-20 F	Dissolved	Water	6010C	665105
MB 680-665105/1-A	Method Blank	Total Recoverable	Water	6010C	665105
LCS 680-665105/2-A	Lab Control Sample	Total Recoverable	Water	6010C	665105
680-197858-7 MS	OW-10	Total Recoverable	Water	6010C	665105
680-197858-7 MSD	OW-10	Total Recoverable	Water	6010C	665105

Analysis Batch: 665713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-1	T-04 F	Dissolved	Water	6010C	665371
680-197858-11	T-20	Total Recoverable	Water	6010C	665371
680-197858-16	T-04	Total Recoverable	Water	6010C	665371
MB 680-665371/1-A	Method Blank	Total Recoverable	Water	6010C	665371
LCS 680-665371/2-A	Lab Control Sample	Total Recoverable	Water	6010C	665371

Analysis Batch: 665947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-665431/1-A	Method Blank	Total/NA	Water	7470A	665431
LCS 680-665431/2-A	Lab Control Sample	Total/NA	Water	7470A	665431

Prep Batch: 666044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-10	Field Duplicate 4 F	Total/NA	Water	7470A	
MB 680-666044/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-666044/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 666108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-11	T-20	Total/NA	Water	7470A	665431

Analysis Batch: 666452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-9	Field Duplicate 4	Total/NA	Water	7470A	665404
MB 680-665404/1-A	Method Blank	Total/NA	Water	7470A	665404
LCS 680-665404/2-A	Lab Control Sample	Total/NA	Water	7470A	665404

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Metals

Analysis Batch: 666453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-7	OW-10	Total/NA	Water	7470A	665404
680-197858-8	OW-10 F	Dissolved	Water	7470A	665404
680-197858-10	Field Duplicate 4 F	Total/NA	Water	7470A	666044
MB 680-666044/1-A	Method Blank	Total/NA	Water	7470A	666044
LCS 680-666044/2-A	Lab Control Sample	Total/NA	Water	7470A	666044
680-197858-7 MS	OW-10	Total/NA	Water	7470A	665404
680-197858-7 MSD	OW-10	Total/NA	Water	7470A	665404

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: T-04 F

Date Collected: 04/17/21 15:54

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1020.3 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		10			666804	05/01/21 19:11	JCK	TAL SAV
		Instrument ID: CSGAA								
Dissolved	Prep	3520C			1020.3 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 20:05	JCK	TAL SAV
		Instrument ID: CSGZ								
Dissolved	Prep	3005A			50 mL	50 mL	665371	04/22/21 13:59	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665713	04/24/21 03:43	BCB	TAL SAV
		Instrument ID: ICPE								

Client Sample ID: OWR-11

Date Collected: 04/19/21 10:38

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1038.3 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 18:19	JCK	TAL SAV
		Instrument ID: CSGJ								
Total/NA	Prep	3520C			1038.3 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		25			667356	05/05/21 23:37	JCK	TAL SAV
		Instrument ID: CSGJ								
Total Recoverable	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665547	04/22/21 23:41	BCB	TAL SAV
		Instrument ID: ICPE								

Client Sample ID: OWR-11 F

Date Collected: 04/19/21 10:38

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1047.2 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		10			666804	05/01/21 19:25	JCK	TAL SAV
		Instrument ID: CSGAA								
Dissolved	Prep	3520C			1047.2 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 20:20	JCK	TAL SAV
		Instrument ID: CSGZ								
Dissolved	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665547	04/22/21 23:46	BCB	TAL SAV
		Instrument ID: ICPE								

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: OWR-15 D

Lab Sample ID: 680-197858-4

Date Collected: 04/19/21 09:31

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1048.8 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 18:38	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3520C			1048.8 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		5			667356	05/05/21 23:56	JCK	TAL SAV
Instrument ID: CSGJ										

Client Sample ID: OWR-15 DF

Lab Sample ID: 680-197858-5

Date Collected: 04/19/21 09:31

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1023.2 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 20:35	JCK	TAL SAV
Instrument ID: CSGZ										

Client Sample ID: Trip Blank 2021 0419 C

Lab Sample ID: 680-197858-6

Date Collected: 04/19/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666415	04/29/21 14:25	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OW-10

Lab Sample ID: 680-197858-7

Date Collected: 04/17/21 09:17

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666625	04/30/21 19:29	Y1S	TAL SAV
Instrument ID: CMSS										
Total/NA	Prep	3520C			1001.6 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 18:56	JCK	TAL SAV
Instrument ID: CSGJ										
Total Recoverable	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665547	04/22/21 22:22	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	665404	04/22/21 16:03	BCB	TAL SAV
Total/NA	Analysis	7470A		5			666453	04/28/21 16:20	BCB	TAL SAV
Instrument ID: LEEMAN2										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: OW-10 F

Lab Sample ID: 680-197858-8

Date Collected: 04/17/21 09:17

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			992.8 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 20:50	JCK	TAL SAV
		Instrument ID: CSGZ								
Dissolved	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665547	04/23/21 00:20	BCB	TAL SAV
		Instrument ID: ICPE								
Dissolved	Prep	7470A			50 mL	50 mL	665404	04/22/21 16:03	BCB	TAL SAV
Dissolved	Analysis	7470A		5			666453	04/28/21 16:35	BCB	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: Field Duplicate 4

Lab Sample ID: 680-197858-9

Date Collected: 04/17/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666619	04/30/21 18:01	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Prep	3520C			1038.8 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 19:14	JCK	TAL SAV
		Instrument ID: CSGJ								
Total Recoverable	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665547	04/22/21 23:50	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	665404	04/22/21 16:03	BCB	TAL SAV
Total/NA	Analysis	7470A		1			666452	04/27/21 17:01	BCB	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: Field Duplicate 4 F

Lab Sample ID: 680-197858-10

Date Collected: 04/17/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1036.5 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 19:32	JCK	TAL SAV
		Instrument ID: CSGJ								
Total Recoverable	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665547	04/22/21 23:55	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	666044	04/27/21 10:09	BCB	TAL SAV
Total/NA	Analysis	7470A		5			666453	04/28/21 17:20	BCB	TAL SAV
		Instrument ID: LEEMAN2								

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: T-20

Date Collected: 04/17/21 09:17

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1042.1 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 19:50	JCK	TAL SAV
Instrument ID: CSGJ										
Total Recoverable	Prep	3005A			50 mL	50 mL	665371	04/22/21 13:59	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/24/21 03:01	BCB	TAL SAV
Instrument ID: ICPE										
Total/NA	Prep	7470A			50 mL	50 mL	665431	04/22/21 18:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			666108	04/26/21 22:34	BCB	TAL SAV
Instrument ID: LEEMAN2										

Client Sample ID: T-20 F

Date Collected: 04/17/21 09:17

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1029.3 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 21:05	JCK	TAL SAV
Instrument ID: CSGZ										
Dissolved	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665547	04/23/21 00:05	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: T-09

Date Collected: 04/17/21 15:27

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1046.7 mL	1 mL	665609	04/23/21 18:13	EHS	TAL SAV
Total/NA	Analysis	8270D		1			666322	04/28/21 21:10	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			1039.9 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 20:08	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1030.6 mL	2 mL	533886	04/26/21 13:02	SKS	TAL DEN
Total/NA	Analysis	8141B		1			535467	05/08/21 19:12	TMC	TAL DEN
Instrument ID: SG_C_D2										

Client Sample ID: T-09 F

Date Collected: 04/17/21 15:27

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1045.9 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 21:19	JCK	TAL SAV
Instrument ID: CSGZ										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Client Sample ID: Field Duplicate 3

Lab Sample ID: 680-197858-15

Date Collected: 04/17/21 00:00

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			963.1 mL	1 mL	665609	04/23/21 18:13	EHS	TAL SAV
Total/NA	Analysis	8270D		1			666322	04/28/21 21:32	T1C	TAL SAV
Instrument ID: CMSN										
Total/NA	Prep	3520C			1046.4 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 20:26	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1047.3 mL	2 mL	533886	04/26/21 13:02	SKS	TAL DEN
Total/NA	Analysis	8141B		1			535467	05/08/21 19:51	TMC	TAL DEN
Instrument ID: SGC_D2										

Client Sample ID: T-04

Lab Sample ID: 680-197858-16

Date Collected: 04/17/21 15:54

Matrix: Water

Date Received: 04/20/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1044.3 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 20:45	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3520C			1044.3 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		10			667356	05/06/21 00:14	JCK	TAL SAV
Instrument ID: CSGJ										
Total Recoverable	Prep	3005A			50 mL	50 mL	665371	04/22/21 13:59	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/24/21 03:05	BCB	TAL SAV
Instrument ID: ICPE										

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-21

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197858-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

Client Information			Lab PM			Carrier Tracking No(s)			COC No			
Client Contact Ms. Christina <u>Denymia Smith</u>			Weinberg, Amy			State of Origin			680-124415-46584.2			
Company GSI Environmental, Inc			amy@weinberg@Eurofinset.com			Page 2 of 15						
Address 2211 Norfolk, Suite 1000			Due Date Requested:			Analysis Requested			Job #			
City Houston			TAT Requested (days):						Preservation Codes:			
State, Zip TX, 77098-4044			Compliance Project: Δ Yes Δ No						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO ₄ F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO ₂ P - Na ₂ O ₄ S Q - Na ₂ SO ₃ R - Na ₂ SO ₃ S - H ₂ SO ₄ T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Phone 713-522-6300(Tel)			PO #						Other:			
Email cathigins@gse-net.com			WO #									
Project Name April 2021 CERCLA Ground			Project #									
Site			SSOW #									
Sample Identification			Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Weater, Sealed, Overstool, BT-Tissue, Aque)	Field Filtered Sample (Yes or No)			Total Number of Containers		
T-04 F	4-17-21	1554	C	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-22	4-17-21	1201	G	Water	Y	8081B - 8082A - PCB	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-22 F	4-17-21	1201	G	Water	Y	8081B - 8082A - PCB	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-11	4-19-21	1038	C	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-11 F	4-19-21	1038	C	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangunse only), 7470A
OW-15 D F	4-19-21	931	G	Water	Y	8260B - Chlorobenzene	N	N	N	6010C, 7470A	6010C (Chalf & Mangunse only), 7470A	6010C (Chalf & Mangun

Chain of Custody Record



Environment Testing America

5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Client Information Client Contact: <u>Benjamin Smith</u> Company: <u>GSI Environmental, Inc</u> Address: <u>2211 Norfolk, Suite 1000</u> City: <u>Houston</u> State, Zip: <u>TX, 77098-4044</u> Phone: <u>713-522-6300(Tel)</u> Email: <u>lwsmith@gsi-net.com</u> Project Name: <u>April 2021 CERCLA Ground</u> Site:		Sampler: <u>STJ, AJV, JA</u> Lab PM: <u>Weinberg, Amy</u> Phone: <u>713-522-6300</u> E-Mail: <u>amy.weinberg@Eurofinsset.com</u>		COC No: <u>680-124415-46584.7</u> Page: <u>Page 7 of 15</u> Job #: <u>5740</u>	
Due Date Requested: TAT Requested (days): <u>Standard</u> Compliance Project: <u>Δ Yes Δ No</u> PO #: <u>46992655</u> WO #: <u>68020284</u> Project #: <u>68020284</u> SSOV#:		Analysis Requested 8260B - Chlorobenzene 8270D - (MOD) 4-NP 8141B - Parathion 8081B - 0082A - PCB Aroclors 680 - PCB Homologs 6010C, 7470A (Lab-Bedding fumigant only) 8260B - trichloroethylene 6010C (Munganae only), 7470A 6010C (Munganae only)			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix (W=Water, S=Soil, O=Other, A=Air)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)			
Special Instructions/Note:		Special Instructions/Note:			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) <u>Level II</u>		Empty Kit Relinquished by: <u>Schuyler Robinson</u> Relinquished by: <u>Schuyler Robinson</u> Relinquished by: <u>Schuyler Robinson</u> Relinquished by:			
Date: <u>4-19-21</u> Time: <u>1657</u> Date/Time: <u>4-19-21</u> Time: <u>1657</u> Date/Time: <u>4-19-21</u> Time: <u>1657</u> Date/Time:		Date/Time: <u>04-20-21</u> Time: <u>1030</u> Date/Time: <u>04-22-21</u> Time: <u>1030</u> Date/Time:			
Company: <u>GSI</u> Company: <u>GSI</u> Company: <u>GSI</u> Company:		Company: <u>GSI</u> Company: <u>GSI</u> Company: <u>GSI</u> Company:			
Custody Seals Intact: <u>Δ Yes Δ No</u> Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

[illegible]

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197858-1

Login Number: 197858

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197858-1

Login Number: 197858

List Source: Eurofins TestAmerica, Savannah

List Number: 2

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197858-1

Login Number: 197858

List Number: 3

Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver

List Creation: 04/23/21 03:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: RCRA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-197858-2
 Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197858-2

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: OW-22, OW-22F, Trip Blank 20210419 R

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	<u>Trip Blank 20210419 R</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment? <u>days after sample collection (i.e., >7 day holding time).</u>	☐	☒	☐	<u>Method 8141B for OW-22 was prepared 9</u>
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☐	☒	☐	
f) Were any sample dilutions noted?	☐	☒	☐	
g) Were any matrix problems noted?	☐	☒	☐	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>Multiple LCSDs, all RPDs ≤ 2%</u>
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☐	☐	☒	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☐	☐	☒	

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☒	☐	☐	
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	

Comments/Notes:

- (1) Method 8141B for OW-22 was prepared outside of holding time. All results were not detected; therefore, they have been qualified as estimated UJ.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
OW-22	Parathion	<1 ug/L	UJ	Extracted after holding time
OW-22	Sulfotepp	<1.5 ug/L	UJ	Extracted after holding time

Signature:  _____

Date: 05 November 2021 _____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: RCRA Groundwater Monitoring

Project Number: 680-197858-2

Reviewer: Jessica Alanis

Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197858-2

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: OW-22, OW-22F

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)?	☒	☐	☐	_____
f) Field QC noted?	☐	☒	☐	_____
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	_____
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	_____
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	_____
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Comments/Notes:
No data requires qualification.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason

Signature: 

Date: 05 November 2021

ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

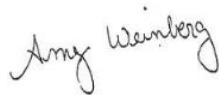
Laboratory Job ID: 680-197858-2

Client Project/Site: Anniston RCRA April 2020
Revision: 1

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
3/10/2022 2:49:23 PM

Amy Weinberg, Project Manager II
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Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-197858-17	OW-22	Water	04/17/21 12:01	04/20/21 10:30
680-197858-18	OW-22 F	Water	04/17/21 12:01	04/20/21 10:30
680-197858-19	Trip Blank 2021 0419 R	Water	04/19/21 00:00	04/20/21 10:30

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Job ID: 680-197858-2

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-197858-2

Comments

No additional comments.

Receipt

The samples were received on 4/20/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 0.9° C, 1.1° C, 1.4° C, 1.7° C, 2.5° C, 2.9° C and 3.9° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Client Sample ID: OW-22

Lab Sample ID: 680-197858-17

Date Collected: 04/17/21 12:01

Matrix: Water

Date Received: 04/20/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/29/21 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		70 - 130					04/29/21 16:23	1
1,2-Dichloroethane-d4 (Surr)	76		60 - 124					04/29/21 16:23	1
Dibromofluoromethane (Surr)	87		70 - 130					04/29/21 16:23	1
4-Bromofluorobenzene (Surr)	88		70 - 130					04/29/21 16:23	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		04/23/21 18:13	04/28/21 21:53	1
o,o',o"-Triethylphosphorothioate	<10		10	0.96	ug/L		04/23/21 18:13	04/28/21 21:53	1
1,2-Dichlorobenzene	<1.0		1.0	0.51	ug/L		04/23/21 18:13	04/28/21 21:53	1
1,4-Dichlorobenzene	<10		10	0.52	ug/L		04/23/21 18:13	04/28/21 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		32 - 113				04/23/21 18:13	04/28/21 21:53	1
2-Fluorophenol	65		26 - 109				04/23/21 18:13	04/28/21 21:53	1
Nitrobenzene-d5	82		32 - 118				04/23/21 18:13	04/28/21 21:53	1
Phenol-d5	71		27 - 110				04/23/21 18:13	04/28/21 21:53	1
Terphenyl-d14	75		10 - 126				04/23/21 18:13	04/28/21 21:53	1
2,4,6-Tribromophenol	95		39 - 124				04/23/21 18:13	04/28/21 21:53	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1221	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1242	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1248	1.6		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1254	<0.50		0.50	0.055	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1260	<0.50		0.50	0.060	ug/L		05/03/21 18:06	05/04/21 21:03	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		14 - 130				05/03/21 18:06	05/04/21 21:03	1
Tetrachloro-m-xylene	76		40 - 130				05/03/21 18:06	05/04/21 21:03	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0	H	1.0	0.14	ug/L		04/26/21 13:02	05/08/21 20:30	1
Sulfotep	<1.5	H	1.5	0.16	ug/L		04/26/21 13:02	05/08/21 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	69		60 - 154				04/26/21 13:02	05/08/21 20:30	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/21/21 09:23	04/22/21 23:36	1

Eurofins Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Client Sample ID: OW-22

Date Collected: 04/17/21 12:01

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-17

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 16:03	04/27/21 17:07	1

Client Sample ID: OW-22 F

Date Collected: 04/17/21 12:01

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-18

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.086	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1221	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1232	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1242	<0.50		0.50	0.091	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1248	<0.50		0.50	0.10	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1254	<0.50		0.50	0.053	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1260	<0.50		0.50	0.057	ug/L		05/03/21 18:06	05/04/21 21:21	1
PCB-1268	<0.50		0.50	0.11	ug/L		05/03/21 18:06	05/04/21 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		14 - 130				05/03/21 18:06	05/04/21 21:21	1
Tetrachloro-m-xylene	94		40 - 130				05/03/21 18:06	05/04/21 21:21	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		04/21/21 09:23	04/23/21 00:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 16:03	04/27/21 17:12	1

Client Sample ID: Trip Blank 2021 0419 R

Date Collected: 04/19/21 00:00

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-19

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/29/21 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	91		70 - 130					04/29/21 14:02	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124					04/29/21 14:02	1
Dibromofluoromethane (Surr)	87		70 - 130					04/29/21 14:02	1
4-Bromofluorobenzene (Surr)	87		70 - 130					04/29/21 14:02	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-666415/8

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.26	ug/L			04/29/21 13:38	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130					04/29/21 13:38	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124					04/29/21 13:38	1
Dibromofluoromethane (Surr)	86		70 - 130					04/29/21 13:38	1
4-Bromofluorobenzene (Surr)	84		70 - 130					04/29/21 13:38	1

Lab Sample ID: LCS 680-666415/3

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	98		70 - 130				
1,2-Dichloroethane-d4 (Surr)	85		60 - 124				
Dibromofluoromethane (Surr)	98		70 - 130				
4-Bromofluorobenzene (Surr)	92		70 - 130				

Lab Sample ID: LCSD 680-666415/4

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	47.5		ug/L		95	70 - 130	2	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
1,2-Dichloroethane-d4 (Surr)	87		60 - 124						
Dibromofluoromethane (Surr)	99		70 - 130						
4-Bromofluorobenzene (Surr)	94		70 - 130						

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665609/7-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/23/21 18:13	04/28/21 18:41	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		04/23/21 18:13	04/28/21 18:41	1
1,2-Dichlorobenzene	<1.0		1.0	0.53	ug/L		04/23/21 18:13	04/28/21 18:41	1
1,4-Dichlorobenzene	<10		10	0.54	ug/L		04/23/21 18:13	04/28/21 18:41	1

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-665609/7-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665609

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		32 - 113	04/23/21 18:13	04/28/21 18:41	1
2-Fluorophenol	70		26 - 109	04/23/21 18:13	04/28/21 18:41	1
Nitrobenzene-d5	83		32 - 118	04/23/21 18:13	04/28/21 18:41	1
Phenol-d5	91		27 - 110	04/23/21 18:13	04/28/21 18:41	1
Terphenyl-d14	83		10 - 126	04/23/21 18:13	04/28/21 18:41	1
2,4,6-Tribromophenol	89		39 - 124	04/23/21 18:13	04/28/21 18:41	1

Lab Sample ID: LCS 680-665609/8-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	231		ug/L		116	44 - 130
1,2-Dichlorobenzene	100	65.9		ug/L		66	31 - 130
1,4-Dichlorobenzene	100	64.6		ug/L		65	31 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	84		32 - 113
2-Fluorophenol	88		26 - 109
Nitrobenzene-d5	90		32 - 118
Phenol-d5	96		27 - 110
Terphenyl-d14	87		10 - 126
2,4,6-Tribromophenol	96		39 - 124

Lab Sample ID: LCSD 680-665609/9-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665609

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4-Nitrophenol	200	237		ug/L		118	44 - 130	2	50
1,2-Dichlorobenzene	100	71.2		ug/L		71	31 - 130	8	50
1,4-Dichlorobenzene	100	72.6		ug/L		73	31 - 130	12	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	84		32 - 113
2-Fluorophenol	90		26 - 109
Nitrobenzene-d5	86		32 - 118
Phenol-d5	99		27 - 110
Terphenyl-d14	88		10 - 126
2,4,6-Tribromophenol	103		39 - 124

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-666989/12-A

Matrix: Water

Analysis Batch: 666972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1221	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1232	<0.50		0.50	0.13	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1242	<0.50		0.50	0.095	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1248	<0.50		0.50	0.11	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1254	<0.50		0.50	0.055	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1260	<0.50		0.50	0.060	ug/L		05/03/21 18:06	05/04/21 17:43	1
PCB-1268	<0.50		0.50	0.12	ug/L		05/03/21 18:06	05/04/21 17:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		14 - 130				05/03/21 18:06	05/04/21 17:43	1
Tetrachloro-m-xylene	76		40 - 130				05/03/21 18:06	05/04/21 17:43	1

Lab Sample ID: LCS 680-666989/13-A

Matrix: Water

Analysis Batch: 666972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	3.00	1.99		ug/L		66	44 - 130
PCB-1260	3.00	3.13		ug/L		104	35 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	88		14 - 130				
Tetrachloro-m-xylene	78		40 - 130				

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-533886/1-A

Matrix: Water

Analysis Batch: 535467

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 533886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/26/21 13:02	05/08/21 17:15	1
Sulfotepp	<1.5		1.5	0.17	ug/L		04/26/21 13:02	05/08/21 17:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	85		60 - 154				04/26/21 13:02	05/08/21 17:15	1

Lab Sample ID: LCS 280-533886/2-A

Matrix: Water

Analysis Batch: 535467

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 533886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Parathion	4.00	3.26		ug/L		81	55 - 107
Sulfotepp	4.00	3.21		ug/L		80	53 - 110

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QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 280-533886/2-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 533886

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	92		60 - 154

Lab Sample ID: LCSD 280-533886/3-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 533886

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Parathion	4.00	3.33		ug/L		83	55 - 107	2	20
Sulfotepp	4.00	3.14		ug/L		79	53 - 110	2	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Triphenylphosphate	90		60 - 154

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-665404/1-A
Matrix: Water
Analysis Batch: 666452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 16:03	04/27/21 14:45	1

Lab Sample ID: LCS 680-665404/2-A
Matrix: Water
Analysis Batch: 666452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00248		mg/L		99	80 - 120

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

GC/MS VOA

Analysis Batch: 666415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	8260B	
680-197858-19	Trip Blank 2021 0419 R	Total/NA	Water	8260B	
MB 680-666415/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666415/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666415/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 665609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	3520C	
MB 680-665609/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665609/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-665609/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 666322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	8270D	665609
MB 680-665609/7-A	Method Blank	Total/NA	Water	8270D	665609
LCS 680-665609/8-A	Lab Control Sample	Total/NA	Water	8270D	665609
LCSD 680-665609/9-A	Lab Control Sample Dup	Total/NA	Water	8270D	665609

GC Semi VOA

Prep Batch: 533886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	3510C	
MB 280-533886/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533886/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-533886/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 535467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	8141B	533886
MB 280-533886/1-A	Method Blank	Total/NA	Water	8141B	533886
LCS 280-533886/2-A	Lab Control Sample	Total/NA	Water	8141B	533886
LCSD 280-533886/3-A	Lab Control Sample Dup	Total/NA	Water	8141B	533886

Analysis Batch: 666972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	8081B/8082A	666989
680-197858-18	OW-22 F	Total/NA	Water	8081B/8082A	666989
MB 680-666989/12-A	Method Blank	Total/NA	Water	8081B/8082A	666989
LCS 680-666989/13-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666989

Prep Batch: 666989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	3520C	
680-197858-18	OW-22 F	Total/NA	Water	3520C	
MB 680-666989/12-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666989/13-A	Lab Control Sample	Total/NA	Water	3520C	

Eurofins Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Metals

Prep Batch: 665105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total Recoverable	Water	3005A	
680-197858-18	OW-22 F	Total Recoverable	Water	3005A	

Prep Batch: 665404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	7470A	
680-197858-18	OW-22 F	Total/NA	Water	7470A	
MB 680-665404/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-665404/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 665547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total Recoverable	Water	6010C	665105
680-197858-18	OW-22 F	Total Recoverable	Water	6010C	665105

Analysis Batch: 666452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197858-17	OW-22	Total/NA	Water	7470A	665404
680-197858-18	OW-22 F	Total/NA	Water	7470A	665404
MB 680-665404/1-A	Method Blank	Total/NA	Water	7470A	665404
LCS 680-665404/2-A	Lab Control Sample	Total/NA	Water	7470A	665404

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Client Sample ID: OW-22

Date Collected: 04/17/21 12:01

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666415	04/29/21 16:23	P1C	TAL SAV
	Instrument ID: CMSB									
Total/NA	Prep	3520C			1043.8 mL	1 mL	665609	04/23/21 18:13	EHS	TAL SAV
Total/NA	Analysis	8270D		1			666322	04/28/21 21:53	T1C	TAL SAV
	Instrument ID: CMSN									
Total/NA	Prep	3520C			1004 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 21:03	JCK	TAL SAV
	Instrument ID: CSGJ									
Total/NA	Prep	3510C			1044.7 mL	2 mL	533886	04/26/21 13:02	SKS	TAL DEN
Total/NA	Analysis	8141B		1			535467	05/08/21 20:30	TMC	TAL DEN
	Instrument ID: SGC_D2									
Total Recoverable	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665547	04/22/21 23:36	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	665404	04/22/21 16:03	BCB	TAL SAV
Total/NA	Analysis	7470A		1			666452	04/27/21 17:07	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: OW-22 F

Date Collected: 04/17/21 12:01

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1043.5 mL	5 mL	666989	05/03/21 18:06	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666972	05/04/21 21:21	JCK	TAL SAV
	Instrument ID: CSGJ									
Total Recoverable	Prep	3005A			50 mL	50 mL	665105	04/21/21 09:23	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665547	04/23/21 00:00	BCB	TAL SAV
	Instrument ID: ICPE									
Total/NA	Prep	7470A			50 mL	50 mL	665404	04/22/21 16:03	BCB	TAL SAV
Total/NA	Analysis	7470A		1			666452	04/27/21 17:12	BCB	TAL SAV
	Instrument ID: LEEMAN2									

Client Sample ID: Trip Blank 2021 0419 R

Date Collected: 04/19/21 00:00

Date Received: 04/20/21 10:30

Lab Sample ID: 680-197858-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666415	04/29/21 14:02	P1C	TAL SAV
	Instrument ID: CMSB									

Laboratory References:

TAL DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-21

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	06-30-21
A2LA	ISO/IEC 17025	2907.01	06-30-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-19-21
Arkansas DEQ	State	19-047-0	05-31-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	09-30-22
Florida	NELAP	E87667-57	06-30-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-22
Iowa	State	IA#370	12-02-22
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-26-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	08-31-21
Oregon	NELAP	4025-011	05-27-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	05-16-21
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-21-19	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-29-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	06-30-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2020

Job ID: 680-197858-2

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

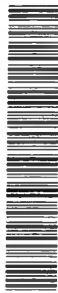
TAL DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

Client Information		Sampler: JA		Lab PM Weinberg, Amy		Camer Tracking No(s)		GOC No 680-124415-46584.8	
Client Contact Benjamin Smith		Phone 713-522-6306		E-Mail amy.weinberg@Eurofinset.com		State of Origin		Page Page 8 of 15	
Company GSI Environmental, Inc		PWSID		Analysis Requested		Job # 5744-571 5739		Preservation Codes:	
Address 2211 Norfolk, Suite 1000		Due Date Requested:		8260B - Chlorobenzene		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
City Houston		TAT Requested (days):		8141B - Parathion, tetraethylthiophosphorothioate		6010C - 7470A		6010C - 7470A	
State, Zip TX, 77098-4044		Compliance Project: Δ Yes Δ No		Matrix (Water, Sediment, Soil, etc.)		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Phone 713-522-6300(Tel)		PO #		Sample Type (C=Comp, G=Grab)		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Email wbsmi@gsi-net.com		WO #		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Project Name April 2021 RCRA Ground		Project # 68020284		Sample Date		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Site		SSOW#		Sample Date		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Sample Identification		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
OW-22		4-17-21		1201		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
OW-22 F		4-17-21		1201		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Trip Blank 20210419R		4-19-21		654		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Possible Hazard Identification		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Deliverable Requested: I, II, III, IV, Other (specify)		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Level II		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Empty Kit Relinquished by:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Relinquished by: Schuyler Johnson		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Relinquished by:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Relinquished by:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Custody Seals Intact: Δ Yes Δ No		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Custody Seal No.:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Cooler Temperature(s) °C and Other Remarks		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Special Instructions/Note:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Special Instructions/QC Requirements: PL for 1,2 DCE & 1,4 DCE (82700) should be 1 ug/L		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Method of Shipment		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Relinquished by: Schuyler Johnson		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Relinquished by:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Relinquished by:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Custody Seals Intact: Δ Yes Δ No		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Custody Seal No.:		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	
Cooler Temperature(s) °C and Other Remarks		Sample Date		Sample Time		82700 - 1,2-Dichloro-4,4'-biphenyl		80818 - 8082A - PCB Analyzers	

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197858-2

Login Number: 197858

List Source: Eurofins Savannah

List Number: 1

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197858-2

Login Number: 197858

List Source: Eurofins Savannah

List Number: 2

Creator: Banda, Christy S

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197858-2

Login Number: 197858

List Number: 3

Creator: Dubicki, Adam L

List Source: Eurofins Denver

List Creation: 04/23/21 03:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: CERCLA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-197955-1
 Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197955-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B), PCB Homologs (680)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: T-06, T-06 F, T-18, T-18 F, OWR-13, OWR-13 F, OWR-14D, Field Duplicate 2, OWR-14D F, Field Duplicate 2 F, WEL-01, WEL-01 F, WEL-04, WEL-04 F, Equipment Blank, Trip Blank 20210420 C, Purge Water

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	<u>Field Duplicate 2, Field Duplicate 2F (@ OWR-14D, OWR-14D F), Equipment Blank, Trip Blank 20210420 C</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp. pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☐	☒	☐	<u>As a result of dilution, a subset of analytes for Method 8081B/8082A in OWR-13 and for Method 680 in T-18 did not achieve the appropriate RLs; however, all results were detections above these elevated RLs, so no qualification is required.</u>
f) Were any sample dilutions noted?	☒	☐	☐	<u>Dilutions noted in Method 8081B/8082A for PCB-1221 in T-18 (DF= 5), T-18 F (DF=4) and for PCB 1248 and PCB-1254 in OWR-13 (DF=5) and in Method 680 for a subset of analytes in T-18 (DF=50) and in T-18 F and OWR-13 (DF=10).</u>
g) Were any matrix problems noted?	☐	☒	☐	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☒	☐	_____
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)? <u>Duplicate 2. Original – OWR-14D F, Duplicate – Field Duplicate 2 F.</u>	☒	☐	☐	<u>Original – OWR-14D, Duplicate – Field</u>
b) Were field dup. precision criteria met (note RPD)?	☐	☒	☐	<u>OWR-14D and Field Duplicate 2: Total Tetrachlorobiphenyls= 27.5%, Total Polychlorinated biphenyls= 25.9%, Total Trichlorobiphenyls= 23.5%. OWR-14D F and Field Duplicate 2 F: Total Polychlorinated biphenyls= not calculated (original= ND, duplicate= 0.1 ug/L), Total Trichlorobiphenyls= not calculated (original=ND, duplicate= 0.1 ug/L).</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>Multiple LCSDs. All RPDs ≤14%.</u>
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits? <u>Water for Method 8081B/8082A= 11% (NFG lower limit= 30%).</u>	☐	☒	☐	<u>DCB recovery in T-18, OWR-13, and Purge</u>
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	_____

Comments/Notes:

- (1) NFG= National Functional Guidelines for Organic Superfund Methods Data Review.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

- (2) RPD for Total Polychlorinated biphenyls and Total Trichlorobiphenyls of Method 680 for OWR-14D F and Field Duplicate 2 F was not calculated due to a non-detect result; therefore, these analytes have been qualified as estimated J or UJ.
- (3) Low recoveries of surrogate DCB for Method 8081B/8082A in T-18, OWR-13, and Purge Water occurred; therefore, all detections have been qualified as estimated J and non-detects UJ.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
OWR-14D F	Total Polychlorinated biphenyls	<0.1 ug/L	UJ	RPD between original and duplicate not calculated due to a non-detect result
Field Duplicate 2 F	Total Polychlorinated biphenyls	0.1 ug/L	J	RPD between original and duplicate not calculated due to a non-detect result
OWR-14D F	Total Trichlorobiphenyls	<0.1 ug/L	UJ	RPD between original and duplicate not calculated due to a non-detect result
Field Duplicate 2 F	Total Trichlorobiphenyls	0.1	J	RPD between original and duplicate not calculated due to a non-detect result
Purge Water	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
Purge Water	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1221	25 ug/L	J	Low DCB recovery
T-18	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
T-18	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery
OWR-13	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
OWR-13	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
OWR-13	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
OWR-13	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
OWR-13	PCB-1248	8.5 ug/L	J	Low DCB recovery
OWR-13	PCB-1254	5.5 ug/L	J	Low DCB recovery
OWR-13	PCB-1260	1.7 ug/L	J	Low DCB recovery
OWR-13	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

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Signature: Jessica Allams

Date: 05 November 2021

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: CERCLA Groundwater Monitoring

Project Number: 680-197955-1

Reviewer: Jessica Alanis

Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-197955-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: WEL-01, WEL-01 F, WEL-04, WEL-04 F, OWR-14D, OWR-14D F, Field Duplicate 2, Field Duplicate 2 F, Equipment Blank

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)?	☒	☐	☐	_____
f) Field QC noted?	☒	☐	☐	<u>Field Duplicate 2, Field Duplicate 2F (@</u>
				<u>OWR-14D, OWR-14DF), Equipment Blank</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	_____
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☒	☐	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)? <u>Duplicate 2: Original – OWR-14DF, Duplicate – Field Duplicate 2F</u>	☒	☐	☐	<u>Original – OWR-14D, Duplicate – Field</u>
b) Were field dup. precision criteria met (note RPD)?	☐	☒	☐	<u>OWR-14D and Field Duplicate 2:</u> <u>Manganese= 6.1%. OWR-14DF and Field Duplicate 2F: Manganese= Not calculated (original= 0.022 mg/L, duplicate= ND)</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Comments/Notes:

- (1) Manganese RPD of Method 6010C for OWR-14DF and Field Duplicate 2F was not calculated due to non-detect result; therefore, these analytes have been qualified as estimated J or UJ.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
OWR-14DF	Manganese	0.022 mg/L	J	RPD between original and duplicate not calculated due to a non-detect result
Field Duplicate 2F	Manganese	<0.01 mg/L	UJ	RPD between original and duplicate not calculated due to a non-detect result

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Signature: Jessica Adams

Date: 05 November 2021

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

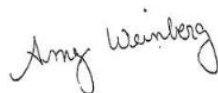
Laboratory Job ID: 680-197955-1

Client Project/Site: Anniston CERCLA April 2020

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
6/4/2021 11:49:16 AM

Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-197955-1	T-06	Water	04/19/21 12:20	04/22/21 10:30	
680-197955-2	T-06 F	Water	04/19/21 12:20	04/22/21 10:30	
680-197955-3	T-18	Water	04/19/21 12:58	04/22/21 10:30	
680-197955-4	T-18 F	Water	04/19/21 12:58	04/22/21 10:30	
680-197955-5	OWR-13	Water	04/19/21 16:25	04/22/21 10:30	
680-197955-6	OWR-13 F	Water	04/19/21 16:25	04/22/21 10:30	
680-197955-7	OWR-14D	Water	04/19/21 15:36	04/22/21 10:30	
680-197955-8	Field Duplicate 2	Water	04/19/21 00:00	04/22/21 10:30	
680-197955-9	OWR-14D F	Water	04/19/21 15:36	04/22/21 10:30	
680-197955-10	Field Duplicate 2 F	Water	04/19/21 15:36	04/22/21 10:30	
680-197955-11	WEL-01	Water	04/20/21 07:44	04/22/21 10:30	
680-197955-12	WEL-01 F	Water	04/20/21 07:44	04/22/21 10:30	
680-197955-13	WEL-04	Water	04/20/21 07:44	04/22/21 10:30	
680-197955-14	WEL-04 F	Water	04/20/21 07:44	04/22/21 10:30	
680-197955-15	Equipment Blank	Water	04/19/21 19:25	04/22/21 10:30	
680-197955-16	Trip Blank 20210420 C	Water	04/20/21 00:00	04/22/21 10:30	
680-197955-17	Purge Water	Water	04/20/21 07:50	04/22/21 10:30	

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Job ID: 680-197955-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-197955-1

Comments

No additional comments.

Receipt

The samples were received on 4/22/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.4° C, 1.8° C, 1.9° C, 2.0° C, 2.5° C, 2.8° C and 4.4° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B/8082A: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: T-18 (680-197955-3), OWR-13 (680-197955-5) and Purge Water (680-197955-17). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Dioxin

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Dioxin Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: T-06

Lab Sample ID: 680-197955-1

Date Collected: 04/19/21 12:20

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1248	1.9		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/29/21 18:12	04/30/21 20:53	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		14 - 130				04/29/21 18:12	04/30/21 20:53	1
Tetrachloro-m-xylene	67		40 - 130				04/29/21 18:12	04/30/21 20:53	1

Client Sample ID: T-06 F

Lab Sample ID: 680-197955-2

Date Collected: 04/19/21 12:20

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.086	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1221, Dissolved	<0.50		0.50	0.091	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1242, Dissolved	<0.50		0.50	0.091	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1260, Dissolved	<0.50		0.50	0.057	ug/L		04/29/21 18:12	04/30/21 21:34	1
PCB-1268, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 21:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		14 - 130				04/29/21 18:12	04/30/21 21:34	1
Tetrachloro-m-xylene	67		40 - 130				04/29/21 18:12	04/30/21 21:34	1

Client Sample ID: T-18

Lab Sample ID: 680-197955-3

Date Collected: 04/19/21 12:58

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Heptachlorobiphenyls	<0.30		0.30	0.038	ug/L		05/26/21 08:30	05/28/21 06:20	1
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 06:20	1
Total Nonachlorobiphenyls	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 06:20	1
Total Octachlorobiphenyls	<0.30		0.30	0.048	ug/L		05/26/21 08:30	05/28/21 06:20	1
Total Pentachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 06:20	1
Total Tetrachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 06:20	1
Polychlorinated biphenyls, Total	47		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 06:20	1
Total Trichlorobiphenyls	0.73		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 06:20	1
DCB Decachlorobiphenyl	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 06:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-52L	73		42 - 105				05/26/21 08:30	05/28/21 06:20	1
PCB-138L	79		39 - 131				05/26/21 08:30	05/28/21 06:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: T-18

Lab Sample ID: 680-197955-3

Date Collected: 04/19/21 12:58

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	18		0.96	0.96	ug/L		05/26/21 08:30	06/03/21 05:24	50
Total Monochlorobiphenyls	60		0.96	0.96	ug/L		05/26/21 08:30	06/03/21 05:24	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-52L	61		42 - 105				05/26/21 08:30	06/03/21 05:24	50
PCB-138L	63		39 - 131				05/26/21 08:30	06/03/21 05:24	50

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 21:12	1
PCB-1221	25		0.50	0.50	ug/L		04/29/21 18:12	05/03/21 23:43	5
PCB-1232	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 21:12	1
PCB-1242	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 21:12	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 21:12	1
PCB-1254	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 21:12	1
PCB-1260	<0.50		0.50	0.063	ug/L		04/29/21 18:12	04/30/21 21:12	1
PCB-1268	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 21:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	11	S1-	14 - 130				04/29/21 18:12	04/30/21 21:12	1
Tetrachloro-m-xylene	51	p	40 - 130				04/29/21 18:12	04/30/21 21:12	1

Client Sample ID: T-18 F

Lab Sample ID: 680-197955-4

Date Collected: 04/19/21 12:58

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	1.7		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Heptachlorobiphenyls	<0.30		0.30	0.041	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Hexachlorobiphenyls	<0.20		0.20	0.031	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Nonachlorobiphenyls	<0.50		0.50	0.21	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Octachlorobiphenyls	<0.30		0.30	0.052	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Pentachlorobiphenyls	<0.20		0.20	0.031	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Tetrachlorobiphenyls	<0.20		0.20	0.031	ug/L		05/26/21 08:30	05/28/21 06:48	1
Polychlorinated biphenyls, Total	20		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 06:48	1
Total Trichlorobiphenyls	0.42		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 06:48	1
DCB Decachlorobiphenyl	<0.50		0.50	0.21	ug/L		05/26/21 08:30	05/28/21 06:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-52L	71		42 - 105				05/26/21 08:30	05/28/21 06:48	1
PCB-138L	74		39 - 131				05/26/21 08:30	05/28/21 06:48	1

Method: 680 - Polychlorinated Biphenyls by GCMS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Monochlorobiphenyls	25		0.21	0.21	ug/L		05/26/21 08:30	05/28/21 16:32	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-52L	72		42 - 105				05/26/21 08:30	05/28/21 16:32	10
PCB-138L	66		39 - 131				05/26/21 08:30	05/28/21 16:32	10

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: T-18 F

Date Collected: 04/19/21 12:58

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-4

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.096	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1221, Dissolved	10	p	0.50	0.41	ug/L		04/29/21 18:12	05/01/21 19:39	4
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1242, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1254, Dissolved	<0.50		0.50	0.059	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1260, Dissolved	<0.50		0.50	0.064	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1268, Dissolved	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 21:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	21		14 - 130				04/29/21 18:12	04/30/21 21:49	1
Tetrachloro-m-xylene	59		40 - 130				04/29/21 18:12	04/30/21 21:49	1

Client Sample ID: OWR-13

Date Collected: 04/19/21 16:25

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-5

Matrix: Water

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	<0.50		0.50	0.21	ug/L		05/26/21 08:30	05/28/21 07:16	1
Polychlorinated biphenyls, Total	13		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Dichlorobiphenyls	<0.10		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Heptachlorobiphenyls	0.51		0.30	0.042	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Hexachlorobiphenyls	0.70		0.20	0.031	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Monochlorobiphenyls	<0.10		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Nonachlorobiphenyls	<0.50		0.50	0.21	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Octachlorobiphenyls	<0.30		0.30	0.052	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Pentachlorobiphenyls	4.5		0.20	0.031	ug/L		05/26/21 08:30	05/28/21 07:16	1
Total Trichlorobiphenyls	0.30		0.10	0.021	ug/L		05/26/21 08:30	05/28/21 07:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-138L	76		39 - 131				05/26/21 08:30	05/28/21 07:16	1
PCB-52L	72		42 - 105				05/26/21 08:30	05/28/21 07:16	1

Method: 680 - Polychlorinated Biphenyls by GCMS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Tetrachlorobiphenyls	6.3		0.31	0.31	ug/L		05/26/21 08:30	05/28/21 17:00	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-138L	67		39 - 131				05/26/21 08:30	05/28/21 17:00	10
PCB-52L	75		42 - 105				05/26/21 08:30	05/28/21 17:00	10

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 21:30	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 21:30	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:30	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 21:30	1
PCB-1248	8.5		0.51	0.51	ug/L		04/29/21 18:12	05/03/21 23:58	5
PCB-1254	5.5		0.50	0.26	ug/L		04/29/21 18:12	05/03/21 23:58	5
PCB-1260	1.7		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 21:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: OWR-13

Date Collected: 04/19/21 16:25

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-5

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	11	p S1-	14 - 130				04/29/21 18:12	04/30/21 21:30	1
Tetrachloro-m-xylene	77		40 - 130				04/29/21 18:12	04/30/21 21:30	1

Client Sample ID: OWR-13 F

Date Collected: 04/19/21 16:25

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-6

Matrix: Water

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Heptachlorobiphenyls	<0.30		0.30	0.038	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Monochlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Nonachlorobiphenyls	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Octachlorobiphenyls	<0.30		0.30	0.048	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Pentachlorobiphenyls	0.39		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Tetrachlorobiphenyls	0.59		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 07:44	1
Polychlorinated biphenyls, Total	0.98		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 07:44	1
Total Trichlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 07:44	1
DCB Decachlorobiphenyl	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-52L	67		42 - 105				05/26/21 08:30	05/28/21 07:44	1
PCB-138L	71		39 - 131				05/26/21 08:30	05/28/21 07:44	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1221, Dissolved	<0.50		0.50	0.097	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1242, Dissolved	<0.50		0.50	0.097	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1254, Dissolved	<0.50		0.50	0.056	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1260, Dissolved	<0.50		0.50	0.061	ug/L		04/29/21 18:12	04/30/21 22:04	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	121		14 - 130				04/29/21 18:12	04/30/21 22:04	1
Tetrachloro-m-xylene	98		40 - 130				04/29/21 18:12	04/30/21 22:04	1

Client Sample ID: OWR-14D

Date Collected: 04/19/21 15:36

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-7

Matrix: Water

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Heptachlorobiphenyls	<0.30		0.30	0.039	ug/L		05/26/21 08:30	05/28/21 08:13	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: OWR-14D

Lab Sample ID: 680-197955-7

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Monochlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Nonachlorobiphenyls	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Octachlorobiphenyls	<0.30		0.30	0.049	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Pentachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Tetrachlorobiphenyls	0.29		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 08:13	1
Polychlorinated biphenyls, Total	0.48		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 08:13	1
Total Trichlorobiphenyls	0.19		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 08:13	1
DCB Decachlorobiphenyl	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 08:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-52L	67		42 - 105	05/26/21 08:30	05/28/21 08:13	1
PCB-138L	68		39 - 131	05/26/21 08:30	05/28/21 08:13	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/29/21 18:12	04/30/21 21:49	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	38		14 - 130	04/29/21 18:12	04/30/21 21:49	1
Tetrachloro-m-xylene	69		40 - 130	04/29/21 18:12	04/30/21 21:49	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.016		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 23:34	1

Client Sample ID: Field Duplicate 2

Lab Sample ID: 680-197955-8

Date Collected: 04/19/21 00:00

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Heptachlorobiphenyls	<0.30		0.30	0.039	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Monochlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Nonachlorobiphenyls	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Octachlorobiphenyls	<0.30		0.30	0.049	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Pentachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Tetrachlorobiphenyls	0.22		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 08:41	1
Polychlorinated biphenyls, Total	0.37		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 08:41	1
Total Trichlorobiphenyls	0.15		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 08:41	1
DCB Decachlorobiphenyl	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 08:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: Field Duplicate 2

Lab Sample ID: 680-197955-8

Date Collected: 04/19/21 00:00

Matrix: Water

Date Received: 04/22/21 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-52L	57		42 - 105	05/26/21 08:30	05/28/21 08:41	1
PCB-138L	60		39 - 131	05/26/21 08:30	05/28/21 08:41	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 22:07	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	45		14 - 130	04/29/21 18:12	04/30/21 22:07	1
Tetrachloro-m-xylene	72		40 - 130	04/29/21 18:12	04/30/21 22:07	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.017		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 23:38	1

Client Sample ID: OWR-14D F

Lab Sample ID: 680-197955-9

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Heptachlorobiphenyls	<0.30		0.30	0.039	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Monochlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Nonachlorobiphenyls	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Octachlorobiphenyls	<0.30		0.30	0.048	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Pentachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Tetrachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 09:09	1
Polychlorinated biphenyls, Total	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 09:09	1
Total Trichlorobiphenyls	<0.10		0.10	0.019	ug/L		05/26/21 08:30	05/28/21 09:09	1
DCB Decachlorobiphenyl	<0.50		0.50	0.19	ug/L		05/26/21 08:30	05/28/21 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-52L	59		42 - 105	05/26/21 08:30	05/28/21 09:09	1
PCB-138L	60		39 - 131	05/26/21 08:30	05/28/21 09:09	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:19	1
PCB-1221, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:19	1
PCB-1232, Dissolved	<0.50		0.50	0.16	ug/L		04/29/21 18:12	04/30/21 22:19	1
PCB-1242, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:19	1
PCB-1248, Dissolved	<0.50		0.50	0.14	ug/L		04/29/21 18:12	04/30/21 22:19	1
PCB-1254, Dissolved	<0.50		0.50	0.071	ug/L		04/29/21 18:12	04/30/21 22:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: OWR-14D F

Lab Sample ID: 680-197955-9

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260, Dissolved	<0.50		0.50	0.078	ug/L		04/29/21 18:12	04/30/21 22:19	1
PCB-1268, Dissolved	<0.50		0.50	0.16	ug/L		04/29/21 18:12	04/30/21 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		14 - 130				04/29/21 18:12	04/30/21 22:19	1
Tetrachloro-m-xylene	74		40 - 130				04/29/21 18:12	04/30/21 22:19	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 23:43	1

Client Sample ID: Field Duplicate 2 F

Lab Sample ID: 680-197955-10

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Heptachlorobiphenyls	<0.30		0.30	0.039	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Monochlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Nonachlorobiphenyls	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Octachlorobiphenyls	<0.30		0.30	0.049	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Pentachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Tetrachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 09:37	1
Polychlorinated biphenyls, Total	0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 09:37	1
Total Trichlorobiphenyls	0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 09:37	1
DCB Decachlorobiphenyl	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 09:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
PCB-52L	58		42 - 105				05/26/21 08:30	05/28/21 09:37	1
PCB-138L	57		39 - 131				05/26/21 08:30	05/28/21 09:37	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1221	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1242	<0.50		0.50	0.093	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1254	<0.50		0.50	0.054	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1260	<0.50		0.50	0.059	ug/L		04/29/21 18:12	04/30/21 22:25	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	55		14 - 130				04/29/21 18:12	04/30/21 22:25	1
Tetrachloro-m-xylene	93		40 - 130				04/29/21 18:12	04/30/21 22:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: Field Duplicate 2 F

Lab Sample ID: 680-197955-10

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.022		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 23:48	1

Client Sample ID: WEL-01

Lab Sample ID: 680-197955-11

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.089	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1221	<0.50		0.50	0.094	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1242	<0.50		0.50	0.094	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1254	<0.50		0.50	0.055	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1260	<0.50		0.50	0.060	ug/L		04/29/21 18:12	04/30/21 22:44	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		14 - 130				04/29/21 18:12	04/30/21 22:44	1
Tetrachloro-m-xylene	54		40 - 130				04/29/21 18:12	04/30/21 22:44	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.012		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 23:53	1

Client Sample ID: WEL-01 F

Lab Sample ID: 680-197955-12

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.088	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1221, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1242, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1254, Dissolved	<0.50		0.50	0.054	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 22:34	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	118		14 - 130				04/29/21 18:12	04/30/21 22:34	1
Tetrachloro-m-xylene	98		40 - 130				04/29/21 18:12	04/30/21 22:34	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	0.010		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 23:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: WEL-04

Lab Sample ID: 680-197955-13

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 23:02	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 23:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	16		14 - 130	04/29/21 18:12	04/30/21 23:02	1
Tetrachloro-m-xylene	71		40 - 130	04/29/21 18:12	04/30/21 23:02	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.060		0.010	0.0010	mg/L		04/23/21 09:33	04/24/21 00:02	1

Client Sample ID: WEL-04 F

Lab Sample ID: 680-197955-14

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography - Dissolve

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1221, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1232, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1242, Dissolved	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1248, Dissolved	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1254, Dissolved	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1260, Dissolved	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 22:49	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		14 - 130	04/29/21 18:12	04/30/21 22:49	1
Tetrachloro-m-xylene	80		40 - 130	04/29/21 18:12	04/30/21 22:49	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese, Dissolved	0.036		0.010	0.0010	mg/L		04/23/21 09:33	04/24/21 00:07	1

Client Sample ID: Equipment Blank

Lab Sample ID: 680-197955-15

Date Collected: 04/19/21 19:25

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0	0.48	ug/L			04/29/21 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		04/29/21 14:49	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124		04/29/21 14:49	1
Dibromofluoromethane (Surr)	86		70 - 130		04/29/21 14:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: Equipment Blank

Lab Sample ID: 680-197955-15

Date Collected: 04/19/21 19:25

Matrix: Water

Date Received: 04/22/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130		04/29/21 14:49	1

Method: 680 - Polychlorinated Biphenyls by GCMS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Heptachlorobiphenyls	<0.30		0.30	0.039	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Hexachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Monochlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Nonachlorobiphenyls	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Octachlorobiphenyls	<0.30		0.30	0.049	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Pentachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Tetrachlorobiphenyls	<0.20		0.20	0.029	ug/L		05/26/21 08:30	05/28/21 10:05	1
Polychlorinated biphenyls, Total	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 10:05	1
Total Trichlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 10:05	1
DCB Decachlorobiphenyl	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 10:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-52L	65		42 - 105	05/26/21 08:30	05/28/21 10:05	1
PCB-138L	68		39 - 131	05/26/21 08:30	05/28/21 10:05	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/23/21 18:13	04/28/21 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		32 - 113	04/23/21 18:13	04/28/21 22:14	1
2-Fluorophenol	62		26 - 109	04/23/21 18:13	04/28/21 22:14	1
Nitrobenzene-d5	72		32 - 118	04/23/21 18:13	04/28/21 22:14	1
Phenol-d5	74		27 - 110	04/23/21 18:13	04/28/21 22:14	1
Terphenyl-d14	76		10 - 126	04/23/21 18:13	04/28/21 22:14	1
2,4,6-Tribromophenol	88		39 - 124	04/23/21 18:13	04/28/21 22:14	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 23:21	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		14 - 130	04/29/21 18:12	04/30/21 23:21	1
Tetrachloro-m-xylene	69		40 - 130	04/29/21 18:12	04/30/21 23:21	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/26/21 13:02	05/08/21 21:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: Equipment Blank

Date Collected: 04/19/21 19:25

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-15

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	84		60 - 154	04/26/21 13:02	05/08/21 21:09	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.010		0.010	0.0010	mg/L		04/23/21 09:33	04/24/21 00:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 18:53	04/24/21 16:03	1

Client Sample ID: Trip Blank 20210420 C

Date Collected: 04/20/21 00:00

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-16

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0	0.48	ug/L			04/29/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130		04/29/21 15:13	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124		04/29/21 15:13	1
Dibromofluoromethane (Surr)	87		70 - 130		04/29/21 15:13	1
4-Bromofluorobenzene (Surr)	87		70 - 130		04/29/21 15:13	1

Client Sample ID: Purge Water

Date Collected: 04/20/21 07:50

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-17

Matrix: Water

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1221	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1232	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1242	<0.50		0.50	0.092	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1248	<0.50		0.50	0.10	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1254	<0.50		0.50	0.053	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1260	<0.50		0.50	0.058	ug/L		04/29/21 18:12	04/30/21 23:39	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	11	S1-	14 - 130	04/29/21 18:12	04/30/21 23:39	1
Tetrachloro-m-xylene	49		40 - 130	04/29/21 18:12	04/30/21 23:39	1

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-666415/8

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0	0.48	ug/L			04/29/21 13:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		70 - 130					04/29/21 13:38	1
1,2-Dichloroethane-d4 (Surr)	75		60 - 124					04/29/21 13:38	1
Dibromofluoromethane (Surr)	86		70 - 130					04/29/21 13:38	1
4-Bromofluorobenzene (Surr)	84		70 - 130					04/29/21 13:38	1

Lab Sample ID: LCS 680-666415/3

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	53.1		ug/L		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	98		70 - 130				
1,2-Dichloroethane-d4 (Surr)	85		60 - 124				
Dibromofluoromethane (Surr)	98		70 - 130				
4-Bromofluorobenzene (Surr)	92		70 - 130				

Lab Sample ID: LCSD 680-666415/4

Matrix: Water

Analysis Batch: 666415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	50.0	53.8		ug/L		108	70 - 130	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	100		70 - 130						
1,2-Dichloroethane-d4 (Surr)	87		60 - 124						
Dibromofluoromethane (Surr)	99		70 - 130						
4-Bromofluorobenzene (Surr)	94		70 - 130						

Method: 680 - Polychlorinated Biphenyls by GCMS

Lab Sample ID: MB 410-131013/1-A

Matrix: Water

Analysis Batch: 131393

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dichlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Heptachlorobiphenyls	<0.30		0.30	0.040	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Hexachlorobiphenyls	<0.20		0.20	0.030	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Monochlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 04:56	1
Polychlorinated biphenyls, Total	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Nonachlorobiphenyls	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Octachlorobiphenyls	<0.30		0.30	0.050	ug/L		05/26/21 08:30	05/28/21 04:56	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method: 680 - Polychlorinated Biphenyls by GCMS (Continued)

Lab Sample ID: MB 410-131013/1-A

Matrix: Water

Analysis Batch: 131393

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 131013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	<0.50		0.50	0.20	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Pentachlorobiphenyls	<0.20		0.20	0.030	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Tetrachlorobiphenyls	<0.20		0.20	0.030	ug/L		05/26/21 08:30	05/28/21 04:56	1
Total Trichlorobiphenyls	<0.10		0.10	0.020	ug/L		05/26/21 08:30	05/28/21 04:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-52L	62		42 - 105	05/26/21 08:30	05/28/21 04:56	1
PCB-138L	65		39 - 131	05/26/21 08:30	05/28/21 04:56	1

Lab Sample ID: LCS 410-131013/2-A

Matrix: Water

Analysis Batch: 131393

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dichlorobiphenyls	1.25	0.797		ug/L		64	37 - 100
Total Heptachlorobiphenyls	3.76	2.74		ug/L		73	47 - 115
Total Hexachlorobiphenyls	2.51	1.79		ug/L		71	48 - 115
Total Monochlorobiphenyls	1.25	0.722		ug/L		58	33 - 91
Polychlorinated biphenyls, Total	25.0	19.6		ug/L		78	
Total Octachlorobiphenyls	3.75	2.97		ug/L		79	50 - 115
DCB Decachlorobiphenyl	6.28	6.30		ug/L		100	52 - 119
Total Pentachlorobiphenyls	2.50	1.76		ug/L		71	49 - 111
Total Tetrachlorobiphenyls	2.50	1.66		ug/L		66	41 - 96
Total Trichlorobiphenyls	1.26	0.826		ug/L		66	37 - 96

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-52L	72		42 - 105
PCB-138L	76		39 - 131

Lab Sample ID: LCSD 410-131013/12-A

Matrix: Water

Analysis Batch: 131393

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Total Dichlorobiphenyls	1.25	0.774		ug/L		62	37 - 100	3	30
Total Heptachlorobiphenyls	3.76	2.73		ug/L		73	47 - 115	0	30
Total Hexachlorobiphenyls	2.51	1.78		ug/L		71	48 - 115	1	30
Total Monochlorobiphenyls	1.25	0.728		ug/L		58	33 - 91	1	30
Polychlorinated biphenyls, Total	25.0	19.1		ug/L		76		2	
Total Octachlorobiphenyls	3.75	2.93		ug/L		78	50 - 115	1	30
DCB Decachlorobiphenyl	6.28	6.03		ug/L		96	52 - 119	4	30
Total Pentachlorobiphenyls	2.50	1.76		ug/L		70	49 - 111	0	30
Total Tetrachlorobiphenyls	2.50	1.58		ug/L		63	41 - 96	5	30
Total Trichlorobiphenyls	1.26	0.788		ug/L		63	37 - 96	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-52L	67		42 - 105
PCB-138L	74		39 - 131

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-665609/7-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 665609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		04/23/21 18:13	04/28/21 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		32 - 113				04/23/21 18:13	04/28/21 18:41	1
2-Fluorophenol	70		26 - 109				04/23/21 18:13	04/28/21 18:41	1
Nitrobenzene-d5	83		32 - 118				04/23/21 18:13	04/28/21 18:41	1
Phenol-d5	91		27 - 110				04/23/21 18:13	04/28/21 18:41	1
Terphenyl-d14	83		10 - 126				04/23/21 18:13	04/28/21 18:41	1
2,4,6-Tribromophenol	89		39 - 124				04/23/21 18:13	04/28/21 18:41	1

Lab Sample ID: LCS 680-665609/8-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 665609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	231		ug/L		116	44 - 130
Surrogate	%Recovery	Qualifier	Limits				
2-Fluorobiphenyl	84		32 - 113				
2-Fluorophenol	88		26 - 109				
Nitrobenzene-d5	90		32 - 118				
Phenol-d5	96		27 - 110				
Terphenyl-d14	87		10 - 126				
2,4,6-Tribromophenol	96		39 - 124				

Lab Sample ID: LCSD 680-665609/9-A

Matrix: Water

Analysis Batch: 666322

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 665609

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4-Nitrophenol	200	237		ug/L		118	44 - 130	2	50
Surrogate	%Recovery	Qualifier	Limits						
2-Fluorobiphenyl	84		32 - 113						
2-Fluorophenol	90		26 - 109						
Nitrobenzene-d5	86		32 - 118						
Phenol-d5	99		27 - 110						
Terphenyl-d14	88		10 - 126						
2,4,6-Tribromophenol	103		39 - 124						

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-666458/11-A

Matrix: Water

Analysis Batch: 666739

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1221	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1232	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1242	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1248	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1254	<0.50		0.50	0.055	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1260	<0.50		0.50	0.060	ug/L		04/29/21 18:12	04/30/21 19:58	1
PCB-1268	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 19:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		14 - 130				04/29/21 18:12	04/30/21 19:58	1
Tetrachloro-m-xylene	84		40 - 130				04/29/21 18:12	04/30/21 19:58	1

Lab Sample ID: LCS 680-666458/12-A

Matrix: Water

Analysis Batch: 666739

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 666458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	3.00	2.66		ug/L		89	44 - 130
PCB-1260	3.00	3.36		ug/L		112	35 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	100		14 - 130				
Tetrachloro-m-xylene	85		40 - 130				

Lab Sample ID: LCSD 680-666458/13-A

Matrix: Water

Analysis Batch: 666739

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 666458

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	3.00	2.49		ug/L		83	44 - 130	6	30
PCB-1260	3.00	2.92		ug/L		97	35 - 130	14	40
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
DCB Decachlorobiphenyl	92		14 - 130						
Tetrachloro-m-xylene	79		40 - 130						

Lab Sample ID: MB 680-666459/13-A

Matrix: Water

Analysis Batch: 666749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 666459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016, Dissolved	<0.50		0.50	0.090	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1221, Dissolved	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1232, Dissolved	<0.50		0.50	0.13	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1242, Dissolved	<0.50		0.50	0.095	ug/L		04/29/21 18:12	04/30/21 19:20	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-666459/13-A
Matrix: Water
Analysis Batch: 666749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248, Dissolved	<0.50		0.50	0.11	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1254, Dissolved	<0.50		0.50	0.055	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1260, Dissolved	<0.50		0.50	0.060	ug/L		04/29/21 18:12	04/30/21 19:20	1
PCB-1268, Dissolved	<0.50		0.50	0.12	ug/L		04/29/21 18:12	04/30/21 19:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		14 - 130	04/29/21 18:12	04/30/21 19:20	1
Tetrachloro-m-xylene	85		40 - 130	04/29/21 18:12	04/30/21 19:20	1

Lab Sample ID: LCS 680-666459/14-A
Matrix: Water
Analysis Batch: 666749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016, Dissolved	3.00	2.69		ug/L		90	44 - 130
PCB-1260, Dissolved	3.00	3.21		ug/L		107	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	96		14 - 130
Tetrachloro-m-xylene	89		40 - 130

Lab Sample ID: LCSD 680-666459/15-A
Matrix: Water
Analysis Batch: 666749

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 666459

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016, Dissolved	3.00	2.70		ug/L		90	44 - 130	0	30
PCB-1260, Dissolved	3.00	3.16		ug/L		105	35 - 130	1	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	96		14 - 130
Tetrachloro-m-xylene	89		40 - 130

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-533886/1-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 533886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		04/26/21 13:02	05/08/21 17:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	85		60 - 154	04/26/21 13:02	05/08/21 17:15	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: LCS 280-533886/2-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 533886

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Parathion			4.00	3.26		ug/L		81	55 - 107		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
Triphenylphosphate	92		60 - 154								

Lab Sample ID: LCSD 280-533886/3-A
Matrix: Water
Analysis Batch: 535467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 533886

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Parathion			4.00	3.33		ug/L		83	55 - 107	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
Triphenylphosphate	90		60 - 154								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-665521/1-A
Matrix: Water
Analysis Batch: 665713

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 665521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.010		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 22:51	1
Manganese, Dissolved	<0.010		0.010	0.0010	mg/L		04/23/21 09:33	04/23/21 22:51	1

Lab Sample ID: LCS 680-665521/2-A
Matrix: Water
Analysis Batch: 665713

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 665521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.400	0.401		mg/L		100	80 - 120
Manganese, Dissolved	0.400	0.401		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-665431/1-A
Matrix: Water
Analysis Batch: 665947

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.000080	mg/L		04/22/21 18:53	04/24/21 15:24	1

Lab Sample ID: LCS 680-665431/2-A
Matrix: Water
Analysis Batch: 665947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00248		mg/L		99	80 - 120

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

GC/MS VOA

Analysis Batch: 666415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	8260B	
680-197955-16	Trip Blank 20210420 C	Total/NA	Water	8260B	
MB 680-666415/8	Method Blank	Total/NA	Water	8260B	
LCS 680-666415/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-666415/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 131013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-3	T-18	Total/NA	Water	680	
680-197955-3 - DL	T-18	Total/NA	Water	680	
680-197955-4	T-18 F	Total/NA	Water	680	
680-197955-4 - DL	T-18 F	Total/NA	Water	680	
680-197955-5 - DL	OWR-13	Total/NA	Water	680	
680-197955-5	OWR-13	Total/NA	Water	680	
680-197955-6	OWR-13 F	Total/NA	Water	680	
680-197955-7	OWR-14D	Total/NA	Water	680	
680-197955-8	Field Duplicate 2	Total/NA	Water	680	
680-197955-9	OWR-14D F	Total/NA	Water	680	
680-197955-10	Field Duplicate 2 F	Total/NA	Water	680	
680-197955-15	Equipment Blank	Total/NA	Water	680	
MB 410-131013/1-A	Method Blank	Total/NA	Water	680	
LCS 410-131013/2-A	Lab Control Sample	Total/NA	Water	680	
LCSD 410-131013/12-A	Lab Control Sample Dup	Total/NA	Water	680	

Analysis Batch: 131393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-3	T-18	Total/NA	Water	680	131013
680-197955-4	T-18 F	Total/NA	Water	680	131013
680-197955-5	OWR-13	Total/NA	Water	680	131013
680-197955-6	OWR-13 F	Total/NA	Water	680	131013
680-197955-7	OWR-14D	Total/NA	Water	680	131013
680-197955-8	Field Duplicate 2	Total/NA	Water	680	131013
680-197955-9	OWR-14D F	Total/NA	Water	680	131013
680-197955-10	Field Duplicate 2 F	Total/NA	Water	680	131013
680-197955-15	Equipment Blank	Total/NA	Water	680	131013
MB 410-131013/1-A	Method Blank	Total/NA	Water	680	131013
LCS 410-131013/2-A	Lab Control Sample	Total/NA	Water	680	131013
LCSD 410-131013/12-A	Lab Control Sample Dup	Total/NA	Water	680	131013

Analysis Batch: 132006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-4 - DL	T-18 F	Total/NA	Water	680	131013
680-197955-5 - DL	OWR-13	Total/NA	Water	680	131013

Analysis Batch: 132581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-3 - DL	T-18	Total/NA	Water	680	131013

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

GC/MS Semi VOA

Prep Batch: 665609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	3520C	
MB 680-665609/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-665609/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-665609/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 666322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	8270D	665609
MB 680-665609/7-A	Method Blank	Total/NA	Water	8270D	665609
LCS 680-665609/8-A	Lab Control Sample	Total/NA	Water	8270D	665609
LCSD 680-665609/9-A	Lab Control Sample Dup	Total/NA	Water	8270D	665609

GC Semi VOA

Prep Batch: 533886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	3510C	
MB 280-533886/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-533886/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 280-533886/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 535467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	8141B	533886
MB 280-533886/1-A	Method Blank	Total/NA	Water	8141B	533886
LCS 280-533886/2-A	Lab Control Sample	Total/NA	Water	8141B	533886
LCSD 280-533886/3-A	Lab Control Sample Dup	Total/NA	Water	8141B	533886

Prep Batch: 666458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-1	T-06	Total/NA	Water	3520C	
680-197955-3	T-18	Total/NA	Water	3520C	
680-197955-5	OWR-13	Total/NA	Water	3520C	
680-197955-7	OWR-14D	Total/NA	Water	3520C	
680-197955-8	Field Duplicate 2	Total/NA	Water	3520C	
680-197955-10	Field Duplicate 2 F	Total/NA	Water	3520C	
680-197955-11	WEL-01	Total/NA	Water	3520C	
680-197955-13	WEL-04	Total/NA	Water	3520C	
680-197955-15	Equipment Blank	Total/NA	Water	3520C	
680-197955-17	Purge Water	Total/NA	Water	3520C	
MB 680-666458/11-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666458/12-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666458/13-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 666459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-2	T-06 F	Dissolved	Water	3520C	
680-197955-4	T-18 F	Dissolved	Water	3520C	
680-197955-6	OWR-13 F	Dissolved	Water	3520C	
680-197955-9	OWR-14D F	Dissolved	Water	3520C	
680-197955-12	WEL-01 F	Dissolved	Water	3520C	

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QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

GC Semi VOA (Continued)

Prep Batch: 666459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-14	WEL-04 F	Dissolved	Water	3520C	
MB 680-666459/13-A	Method Blank	Total/NA	Water	3520C	
LCS 680-666459/14-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-666459/15-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 666739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-1	T-06	Total/NA	Water	8081B/8082A	666458
680-197955-3	T-18	Total/NA	Water	8081B/8082A	666458
680-197955-5	OWR-13	Total/NA	Water	8081B/8082A	666458
680-197955-7	OWR-14D	Total/NA	Water	8081B/8082A	666458
680-197955-8	Field Duplicate 2	Total/NA	Water	8081B/8082A	666458
680-197955-10	Field Duplicate 2 F	Total/NA	Water	8081B/8082A	666458
680-197955-11	WEL-01	Total/NA	Water	8081B/8082A	666458
680-197955-13	WEL-04	Total/NA	Water	8081B/8082A	666458
680-197955-15	Equipment Blank	Total/NA	Water	8081B/8082A	666458
680-197955-17	Purge Water	Total/NA	Water	8081B/8082A	666458
MB 680-666458/11-A	Method Blank	Total/NA	Water	8081B/8082A	666458
LCS 680-666458/12-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666458
LCSD 680-666458/13-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	666458

Analysis Batch: 666749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-2	T-06 F	Dissolved	Water	8081B/8082A	666459
680-197955-4	T-18 F	Dissolved	Water	8081B/8082A	666459
680-197955-6	OWR-13 F	Dissolved	Water	8081B/8082A	666459
680-197955-9	OWR-14D F	Dissolved	Water	8081B/8082A	666459
680-197955-12	WEL-01 F	Dissolved	Water	8081B/8082A	666459
680-197955-14	WEL-04 F	Dissolved	Water	8081B/8082A	666459
MB 680-666459/13-A	Method Blank	Total/NA	Water	8081B/8082A	666459
LCS 680-666459/14-A	Lab Control Sample	Total/NA	Water	8081B/8082A	666459
LCSD 680-666459/15-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	666459

Analysis Batch: 666804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-4	T-18 F	Dissolved	Water	8081B/8082A	666459

Analysis Batch: 667012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-3	T-18	Total/NA	Water	8081B/8082A	666458
680-197955-5	OWR-13	Total/NA	Water	8081B/8082A	666458

Metals

Prep Batch: 665431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	7470A	
MB 680-665431/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-665431/2-A	Lab Control Sample	Total/NA	Water	7470A	

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Metals

Prep Batch: 665521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-7	OWR-14D	Total Recoverable	Water	3005A	
680-197955-8	Field Duplicate 2	Total Recoverable	Water	3005A	
680-197955-9	OWR-14D F	Dissolved	Water	3005A	
680-197955-10	Field Duplicate 2 F	Total Recoverable	Water	3005A	
680-197955-11	WEL-01	Total Recoverable	Water	3005A	
680-197955-12	WEL-01 F	Dissolved	Water	3005A	
680-197955-13	WEL-04	Total Recoverable	Water	3005A	
680-197955-14	WEL-04 F	Dissolved	Water	3005A	
680-197955-15	Equipment Blank	Total Recoverable	Water	3005A	
MB 680-665521/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-665521/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 665713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-7	OWR-14D	Total Recoverable	Water	6010C	665521
680-197955-8	Field Duplicate 2	Total Recoverable	Water	6010C	665521
680-197955-9	OWR-14D F	Dissolved	Water	6010C	665521
680-197955-10	Field Duplicate 2 F	Total Recoverable	Water	6010C	665521
680-197955-11	WEL-01	Total Recoverable	Water	6010C	665521
680-197955-12	WEL-01 F	Dissolved	Water	6010C	665521
680-197955-13	WEL-04	Total Recoverable	Water	6010C	665521
680-197955-14	WEL-04 F	Dissolved	Water	6010C	665521
680-197955-15	Equipment Blank	Total Recoverable	Water	6010C	665521
MB 680-665521/1-A	Method Blank	Total Recoverable	Water	6010C	665521
LCS 680-665521/2-A	Lab Control Sample	Total Recoverable	Water	6010C	665521

Analysis Batch: 665947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-197955-15	Equipment Blank	Total/NA	Water	7470A	665431
MB 680-665431/1-A	Method Blank	Total/NA	Water	7470A	665431
LCS 680-665431/2-A	Lab Control Sample	Total/NA	Water	7470A	665431

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: T-06

Date Collected: 04/19/21 12:20

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1024.3 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 20:53	JCK	TAL SAV
Instrument ID: CSGJ										

Client Sample ID: T-06 F

Date Collected: 04/19/21 12:20

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1045 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 21:34	JCK	TAL SAV
Instrument ID: CSGZ										

Client Sample ID: T-18

Date Collected: 04/19/21 12:58

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			1043.3 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 06:20	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	680	DL		1043.3 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680	DL	50			132581	06/03/21 05:24	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	3520C			948.4 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 21:12	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3520C			948.4 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		5			667012	05/03/21 23:43	JCK	TAL SAV
Instrument ID: CSGZ										

Client Sample ID: T-18 F

Date Collected: 04/19/21 12:58

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			966.7 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 06:48	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	680	DL		966.7 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680	DL	10			132006	05/28/21 16:32	UAD3	ELLE
Instrument ID: 21949										
Dissolved	Prep	3520C			937.4 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		4			666804	05/01/21 19:39	JCK	TAL SAV
Instrument ID: CSGAA										

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: T-18 F

Date Collected: 04/19/21 12:58

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			937.4 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 21:49	JCK	TAL SAV
Instrument ID: CSGZ										

Client Sample ID: OWR-13

Date Collected: 04/19/21 16:25

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			957.1 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 07:16	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	680	DL		957.1 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680	DL	10			132006	05/28/21 17:00	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	3520C			1038.1 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 21:30	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3520C			1038.1 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		5			667012	05/03/21 23:58	JCK	TAL SAV
Instrument ID: CSGZ										

Client Sample ID: OWR-13 F

Date Collected: 04/19/21 16:25

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			1050.7 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 07:44	UAD3	ELLE
Instrument ID: 21949										
Dissolved	Prep	3520C			982.2 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 22:04	JCK	TAL SAV
Instrument ID: CSGZ										

Client Sample ID: OWR-14D

Date Collected: 04/19/21 15:36

Date Received: 04/22/21 10:30

Lab Sample ID: 680-197955-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			1025.6 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 08:13	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	3520C			1018.9 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 21:49	JCK	TAL SAV
Instrument ID: CSGJ										

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: OWR-14D

Lab Sample ID: 680-197955-7

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/23/21 23:34	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: Field Duplicate 2

Lab Sample ID: 680-197955-8

Date Collected: 04/19/21 00:00

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			1028.9 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 08:41	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	3520C			1031 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 22:07	JCK	TAL SAV
Instrument ID: CSGJ										
Total Recoverable	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/23/21 23:38	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: OWR-14D F

Lab Sample ID: 680-197955-9

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			1031.8 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 09:09	UAD3	ELLE
Instrument ID: 21949										
Dissolved	Prep	3520C			773.5 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 22:19	JCK	TAL SAV
Instrument ID: CSGZ										
Dissolved	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665713	04/23/21 23:43	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: Field Duplicate 2 F

Lab Sample ID: 680-197955-10

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	680			1018.6 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 09:37	UAD3	ELLE
Instrument ID: 21949										
Total/NA	Prep	3520C			1021.5 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 22:25	JCK	TAL SAV
Instrument ID: CSGJ										

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: Field Duplicate 2 F

Lab Sample ID: 680-197955-10

Date Collected: 04/19/21 15:36

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/23/21 23:48	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: WEL-01

Lab Sample ID: 680-197955-11

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1005.6 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 22:44	JCK	TAL SAV
Instrument ID: CSGJ										
Total Recoverable	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/23/21 23:53	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: WEL-01 F

Lab Sample ID: 680-197955-12

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1027.7 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 22:34	JCK	TAL SAV
Instrument ID: CSGZ										
Dissolved	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665713	04/23/21 23:57	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: WEL-04

Lab Sample ID: 680-197955-13

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1035.1 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 23:02	JCK	TAL SAV
Instrument ID: CSGJ										
Total Recoverable	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/24/21 00:02	BCB	TAL SAV
Instrument ID: ICPE										

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: WEL-04 F

Lab Sample ID: 680-197955-14

Date Collected: 04/20/21 07:44

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3520C			1031.3 mL	5 mL	666459	04/29/21 18:12	EHS	TAL SAV
Dissolved	Analysis	8081B/8082A		1			666749	04/30/21 22:49	JCK	TAL SAV
		Instrument ID: CSGZ								
Dissolved	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Dissolved	Analysis	6010C		1			665713	04/24/21 00:07	BCB	TAL SAV
		Instrument ID: ICPE								

Client Sample ID: Equipment Blank

Lab Sample ID: 680-197955-15

Date Collected: 04/19/21 19:25

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666415	04/29/21 14:49	P1C	TAL SAV
		Instrument ID: CMSB								
Total/NA	Prep	680			1018.1 mL	1.0 mL	131013	05/26/21 08:30	TJK2	ELLE
Total/NA	Analysis	680		1			131393	05/28/21 10:05	UAD3	ELLE
		Instrument ID: 21949								
Total/NA	Prep	3520C			1014.6 mL	1 mL	665609	04/23/21 18:13	EHS	TAL SAV
Total/NA	Analysis	8270D		1			666322	04/28/21 22:14	T1C	TAL SAV
		Instrument ID: CMSN								
Total/NA	Prep	3520C			1038.1 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 23:21	JCK	TAL SAV
		Instrument ID: CSGJ								
Total/NA	Prep	3510C			1039.3 mL	2 mL	533886	04/26/21 13:02	SKS	TAL DEN
Total/NA	Analysis	8141B		1			535467	05/08/21 21:09	TMC	TAL DEN
		Instrument ID: SGC_D2								
Total Recoverable	Prep	3005A			50 mL	50 mL	665521	04/23/21 09:33	BJB	TAL SAV
Total Recoverable	Analysis	6010C		1			665713	04/24/21 00:12	BCB	TAL SAV
		Instrument ID: ICPE								
Total/NA	Prep	7470A			50 mL	50 mL	665431	04/22/21 18:53	BCB	TAL SAV
Total/NA	Analysis	7470A		1			665947	04/24/21 16:03	BCB	TAL SAV
		Instrument ID: LEEMAN2								

Client Sample ID: Trip Blank 20210420 C

Lab Sample ID: 680-197955-16

Date Collected: 04/20/21 00:00

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	666415	04/29/21 15:13	P1C	TAL SAV
		Instrument ID: CMSB								

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Client Sample ID: Purge Water

Lab Sample ID: 680-197955-17

Date Collected: 04/20/21 07:50

Matrix: Water

Date Received: 04/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1030.3 mL	5 mL	666458	04/29/21 18:12	EHS	TAL SAV
Total/NA	Analysis	8081B/8082A		1			666739	04/30/21 23:39	JCK	TAL SAV
Instrument ID: CSGJ										

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-21

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	19-053-0	08-09-21
California	State	2792	01-31-22
Colorado	State	PA00009	06-30-21
Connecticut	State	PH-0746	06-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-30-21
Hawaii	State	N/A	01-31-22
Illinois	NELAP	004559	01-31-22
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	10-31-21
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-21
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-21
Michigan	State	9930	01-31-22
Minnesota	NELAP	042-999-487	12-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	01-01-22
Montana (UST)	State	0098	01-01-22
Nebraska	State	NE-OS-32-17	01-31-22
Nevada	State	PA000092019-3	07-31-21
New Hampshire	NELAP	273019	01-10-22
New Jersey	NELAP	PA011	06-30-21
New York	NELAP	10670	04-01-22
North Carolina (DW)	State	42705	07-31-21
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-21
Oregon	NELAP	PA200001-018	09-12-21
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-22
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-20-38	08-31-21
Utah	NELAP	PA000092019-16	03-01-22

Eurofins TestAmerica, Savannah

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-29-21
Virginia	NELAP	10561	06-14-21
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	06-30-21
Wyoming	State	8TMS-L	01-31-22
Wyoming (UST)	A2LA	1.01	11-30-22

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	05-16-21
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston CERCLA April 2020

Job ID: 680-197955-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
680	Polychlorinated Biphenyls by GCMS	EPA	ELLE
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
680	Polychlorinated Biphenyls by GCMS Preparation for Liquids	EPA	ELLE
7470A	Preparation, Mercury	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

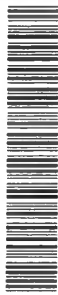


Client Information Client Contact: Benjamin Smith Company: GSI Environmental, Inc. Address: 2211 Norfolk, Suite 1000 City: Houston State: TX, Zip: 77098-4044 Phone: 713-522-6300 (Tel) Email: bsmith@gsi-environment.com Project Name: CERCLA Ground April 2021 Site:		Sampler: STP, TA, ATV Lab PM: Weinberg, Amy E-Mail: amy.weinberg@Eurofinset.com Phone: 713-522-6300 PWSID:	Carmer Tracking No(s): 680-124415-46584.2 State of Origin:	COC No: Page 2 of 15 Job #
Analysis Requested Due Date Requested: TAT Requested (days): Standard Compliance Project: 46992655 PO #: 46992655 WO #: 46992655 Project #: 68020284 SOW#:		Analysis Requested: 8260B - Chlorobenzene 8270D - (MOD) 4-NP 8141B - Parathion 8081B - 8082A - PCB 680 - PCB Homologs 6010C, 7470A (6010C Manganese only)		
Sample Identification Sample ID: T06 T-06 F T-18 T-18 F OW17-13 OW17-13 F OW17-14 D Field Duplicate 2 OW17-14 D F Field Duplicate 2 F OW17-14 D F		Sample Date 4-19-21 4-19-21 4-19-21 4-19-21 4-19-21 4-19-21 4-19-21 4-19-21 4-19-21 4-20-21	Sample Time 1220 1220 1258 1258 1625 1625 1536 1536 1536 744	Sample Type (C=Comp, G=grab) G G G G G G G G G
Matrix (Water, Sealed, On-site/Off-site) Water Water Water Water Water Water Water Water Water		Field Filtered Sample (Yes or No) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes		
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months		
Empty Kit Relinquished by: Relinquished by: Schuyler Robinson Date/Time: 11-20-21 04:20-21 Relinquished by: Company Date/Time: Company Relinquished by: Company Date/Time: Company		Special Instructions/QC Requirements: Method of Shipment: Date/Time: 4-22-21 10:30 Company: M Date/Time: Company Date/Time: Company Cooler Temperature(s) °C and Other Remarks: 1.3/14 4.3/44 2.7/2.3 2.4/2.5 1.8/1.9		
Custody Seals Intact: Yes ☐ No ☐		Ver: 01/16/2019		

Chain of Custody Record

Client Information		Sampler: <u>SM, JA, ADV</u>		Lab PM: <u>Weinberg, Amy</u>		Carrier Tracking No(s):		COC No: <u>680-124415-46584 3</u>	
Client Contact: <u>Benjamin Smith</u>		Phone: <u>713-522-6300</u>		E-Mail: <u>amy.weinberg@Eurofins.com</u>		State of Origin:		Page: <u>Page 3 of 15</u>	
Company: <u>GSI Environmental, Inc</u>		PWSD:		Analysis Requested		Job #:			
Address: <u>2211 Norfolk, Suite 1000</u>		Due Date Requested:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Preservation Codes:	
City: <u>Houston</u>		TAT Requested (days): <u>Standard</u>		Matrix (Water, Sealed, Overstabil, 18°C tissue, AAAP)		Total Number of Containers		M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - NCA4 W - pH 4.5 X - EDTA Y - other (specify)	
State, Zip: <u>TX, 77098-4044</u>		Compliance Project: <u>Δ Yes Δ No</u>		Sample Type (C=Comp, G=grab)		8260B - Chlorobenzene		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)	
Phone: <u>713-522-6300(Tel)</u>		PO # <u>4608036</u>		Sample Time		814B - Parathion		Other:	
Email: <u>whsmith@gis-net.com</u>		WO #		Sample Date		8081B - 8082A - PCB Analogs			
Project Name: <u>WEL-01 F</u>		Project # <u>68020284</u>		Sample Date		870D - (MOD) 4-NP		Special Instructions/Note:	
Site: <u>WEL-04</u>		SSOW#		Sample Date		814B - Parathion			
Sample Identification		Sample Date		Sample Time		8260B - Chlorobenzene			
WEL-01 F		4-20-21		744		870D - (MOD) 4-NP			
WEL-04		4-20-21		744		814B - Parathion			
WEL-04 F		4-20-21		744		8081B - 8082A - PCB Analogs			
Equipment Blank		4-14-21		1925		870D - (MOD) 4-NP			
Trip Blank 20210420 C		4-20-21				8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
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						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
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						8081B - 8082A - PCB Analogs			
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						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
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						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			
						8081B - 8082A - PCB Analogs			
						870D - (MOD) 4-NP			
						8260B - Chlorobenzene			
						814B - Parathion			

Chain of Custody Record

[illegible]

MP

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197955-1

Login Number: 197955

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197955-1

Login Number: 197955

List Number: 3

Creator: Reiff, Nicole L

List Source: Eurofins Lancaster Laboratories Env, LLC

List Creation: 04/24/21 09:59 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-197955-1

Login Number: 197955

List Number: 2

Creator: Dubicki, Adam L

List Source: Eurofins TestAmerica, Denver

List Creation: 04/23/21 03:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

OCTOBER 2021 LABORATORY REPORTS

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QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: RCRA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-205852-1
 Validation Date: 08 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-205852-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: MW-13A, MW-20A, Duplicate, TripBlank20211012

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)?	☒	☐	☐	_____
f) Field QC noted?	☒	☐	☐	_____
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	_____
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	<u>Lab report indicates that preparation for method 8141B for Duplicate sample occurred out of holding time, but this preparation occurred on the 7th day after sampling, so in fact no holding times were exceeded.</u>
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☐	☐	☒	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met? 8270D LCS recovery= 132% (Lab QC upper limit= 130%)	☐	☒	☐	<u>O,O,O-Triethylphosphorothioate of Method</u>

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☒	☐	☐	<u>Original – MW-20A</u>
	☒	☐	☐	<u>Duplicate – Duplicate</u>
b) Were field dup. precision criteria met (note RPD)? <u>Chlorobenzene= 0%</u>	☒	☐	☐	<u>O,O,O-Triethylphosphorothioate= 3.9%,</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>Multiple LCSDs, all RPDs ≤ 17%</u>
	☒	☐	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits?	☒	☐	☐	_____
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	_____

Comments/Notes:

- (1) LCS recovery outside upper control limits for O,O,O-Triethylphosphorothioate of Method 8270D. Associated samples have been qualified as estimated J.

Data Qualification:

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Sample Name	Constituent(s)	Result	Qualifier	Reason
MW-20A	O,O,O-Triethylphosphorothioate	78 ug/L	J	LCS recovery outside upper control limit
Duplicate	O,O,O-Triethylphosphorothioate	75 ug/L	J	LCS recovery outside upper control limit

Signature: 

Date: 08 November 2021

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: RCRA Groundwater Monitoring

Project Number: 680-205852-1

Reviewer: Jessica Alanis

Validation Date: 08 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-205852-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: MW-20A, Duplicate

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)?	☒	☐	☐	_____
f) Field QC noted?	☒	☐	☐	<u>Duplicate (@ MW-20A)</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	_____
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☒	☐	☐	<u>Original – MW-20A</u>
				<u>Duplicate – Duplicate</u>
b) Were field dup. precision criteria met (note RPD)?	☒	☐	☐	<u>Co non-detect in both samples.</u>
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
b) Was MSD accuracy criteria met?	☐	☐	☒	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	_____
c) Were MS/MSD precision criteria met?	☐	☐	☒	_____

Comments/Notes:
No data requires qualification.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason

Signature: 

Date: 08 November 2021

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

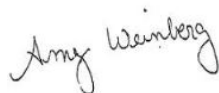
Laboratory Job ID: 680-205852-1

Client Project/Site: Anniston RCRA April 2021

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
10/29/2021 1:01:39 PM

Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Job ID: 680-205852-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-205852-1

Comments

No additional comments.

Receipt

The samples were received on 10/13/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.0° C, 2.9° C and 3.7° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following analyte has been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: o,o',o''-Triethylphosphorothioate. This analyte may have a %D >20% but must be <50%. If >50%, a CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 680-689316 and analytical batch 680-690352 recovered outside control limits for the following analyte(s): o,o',o''-Triethylphosphorothioate. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-205852-1	MW-13A	Water	10/12/21 12:07	10/13/21 10:30
680-205852-2	MW-20A	Water	10/12/21 14:24	10/13/21 10:30
680-205852-3	Duplicate	Water	10/12/21 00:00	10/13/21 10:30
680-205852-4	Trip Blank 20211012	Water	10/12/21 00:00	10/13/21 10:30

Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Client Sample ID: MW-13A

Lab Sample ID: 680-205852-1

No Detections.

Client Sample ID: MW-20A

Lab Sample ID: 680-205852-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chlorobenzene	2.1		1.0	0.15	ug/L	1			8260B	Total/NA
o,o',o"-Triethylphosphorothioate	78	*+	10	0.97	ug/L	1			8270D	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 680-205852-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chlorobenzene	2.1		1.0	0.15	ug/L	1			8260B	Total/NA
o,o',o"-Triethylphosphorothioate	75	*+	10	0.95	ug/L	1			8270D	Total/NA

Client Sample ID: Trip Blank 20211012

Lab Sample ID: 680-205852-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Client Sample ID: MW-13A

Lab Sample ID: 680-205852-1

Date Collected: 10/12/21 12:07

Matrix: Water

Date Received: 10/13/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		10/14/21 16:26	10/21/21 17:01	1
o,o',o"-Triethylphosphorothioate	<10	++	10	0.99	ug/L		10/14/21 16:26	10/21/21 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		32 - 113				10/14/21 16:26	10/21/21 17:01	1
2-Fluorophenol	55		26 - 109				10/14/21 16:26	10/21/21 17:01	1
Nitrobenzene-d5	74		32 - 118				10/14/21 16:26	10/21/21 17:01	1
Phenol-d5	62		27 - 110				10/14/21 16:26	10/21/21 17:01	1
Terphenyl-d14	84		10 - 126				10/14/21 16:26	10/21/21 17:01	1
2,4,6-Tribromophenol	102		39 - 124				10/14/21 16:26	10/21/21 17:01	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1221	<0.50		0.50	0.092	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1232	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1242	<0.50		0.50	0.092	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1248	<0.50		0.50	0.10	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1254	<0.50		0.50	0.054	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1260	<0.50		0.50	0.058	ug/L		10/14/21 16:26	10/15/21 22:28	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		14 - 130				10/14/21 16:26	10/15/21 22:28	1
Tetrachloro-m-xylene	75		40 - 130				10/14/21 16:26	10/15/21 22:28	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/23/21 11:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	65		60 - 154				10/19/21 17:48	10/23/21 11:18	1

Client Sample ID: MW-20A

Lab Sample ID: 680-205852-2

Date Collected: 10/12/21 14:24

Matrix: Water

Date Received: 10/13/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	2.1		1.0	0.15	ug/L			10/22/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130					10/22/21 18:40	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 124					10/22/21 18:40	1
Dibromofluoromethane (Surr)	111		70 - 130					10/22/21 18:40	1
4-Bromofluorobenzene (Surr)	102		70 - 130					10/22/21 18:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		10/14/21 16:26	10/21/21 17:24	1
o,o',o"-Triethylphosphorothioate	78	++	10	0.97	ug/L		10/14/21 16:26	10/21/21 17:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Client Sample ID: MW-20A

Date Collected: 10/12/21 14:24

Date Received: 10/13/21 10:30

Lab Sample ID: 680-205852-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		32 - 113	10/14/21 16:26	10/21/21 17:24	1
2-Fluorophenol	49		26 - 109	10/14/21 16:26	10/21/21 17:24	1
Nitrobenzene-d5	73		32 - 118	10/14/21 16:26	10/21/21 17:24	1
Phenol-d5	53		27 - 110	10/14/21 16:26	10/21/21 17:24	1
Terphenyl-d14	73		10 - 126	10/14/21 16:26	10/21/21 17:24	1
2,4,6-Tribromophenol	115		39 - 124	10/14/21 16:26	10/21/21 17:24	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1221	<0.50		0.50	0.093	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1232	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1242	<0.50		0.50	0.093	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1248	<0.50		0.50	0.10	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1254	<0.50		0.50	0.054	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1260	<0.50		0.50	0.059	ug/L		10/14/21 16:26	10/15/21 22:46	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	52		14 - 130	10/14/21 16:26	10/15/21 22:46	1
Tetrachloro-m-xylene	59		40 - 130	10/14/21 16:26	10/15/21 22:46	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/23/21 13:15	1
Sulfotepp	<1.5		1.5	0.16	ug/L		10/19/21 17:48	10/23/21 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	65		60 - 154	10/19/21 17:48	10/23/21 13:15	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/14/21 10:30	10/15/21 00:08	1

Client Sample ID: Duplicate

Date Collected: 10/12/21 00:00

Date Received: 10/13/21 10:30

Lab Sample ID: 680-205852-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	2.1		1.0	0.15	ug/L			10/22/21 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		10/22/21 19:05	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 124		10/22/21 19:05	1
Dibromofluoromethane (Surr)	111		70 - 130		10/22/21 19:05	1
4-Bromofluorobenzene (Surr)	102		70 - 130		10/22/21 19:05	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		10/14/21 16:26	10/21/21 17:47	1
o,o',o"-Triethylphosphorothioate	75	+	10	0.95	ug/L		10/14/21 16:26	10/21/21 17:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Client Sample ID: Duplicate

Date Collected: 10/12/21 00:00

Date Received: 10/13/21 10:30

Lab Sample ID: 680-205852-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	69		32 - 113	10/14/21 16:26	10/21/21 17:47	1
2-Fluorophenol	48		26 - 109	10/14/21 16:26	10/21/21 17:47	1
Nitrobenzene-d5	72		32 - 118	10/14/21 16:26	10/21/21 17:47	1
Phenol-d5	54		27 - 110	10/14/21 16:26	10/21/21 17:47	1
Terphenyl-d14	62		10 - 126	10/14/21 16:26	10/21/21 17:47	1
2,4,6-Tribromophenol	106		39 - 124	10/14/21 16:26	10/21/21 17:47	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.087	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1221	<0.50		0.50	0.092	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1232	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1242	<0.50		0.50	0.092	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1248	<0.50		0.50	0.10	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1254	<0.50		0.50	0.053	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1260	<0.50		0.50	0.058	ug/L		10/14/21 16:26	10/15/21 23:04	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		14 - 130	10/14/21 16:26	10/15/21 23:04	1
Tetrachloro-m-xylene	77		40 - 130	10/14/21 16:26	10/15/21 23:04	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0	H	1.0	0.14	ug/L		10/19/21 17:48	10/23/21 13:54	1
Sulfotepp	<1.5	H	1.5	0.16	ug/L		10/19/21 17:48	10/23/21 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	74		60 - 154	10/19/21 17:48	10/23/21 13:54	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/14/21 10:30	10/15/21 00:22	1

Client Sample ID: Trip Blank 20211012

Date Collected: 10/12/21 00:00

Date Received: 10/13/21 10:30

Lab Sample ID: 680-205852-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/22/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		10/22/21 18:15	1
1,2-Dichloroethane-d4 (Surr)	118		60 - 124		10/22/21 18:15	1
Dibromofluoromethane (Surr)	110		70 - 130		10/22/21 18:15	1
4-Bromofluorobenzene (Surr)	104		70 - 130		10/22/21 18:15	1

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DCA (60-124)	DBFM (70-130)	BFB (70-130)
680-205852-2	MW-20A	104	116	111	102
680-205852-3	Duplicate	103	116	111	102
680-205852-4	Trip Blank 20211012	99	118	110	104
LCS 680-690585/3	Lab Control Sample	106	123	113	101
LCSD 680-690585/4	Lab Control Sample Dup	104	117	110	102
MB 680-690585/9	Method Blank	105	113	114	103

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
680-205852-1	MW-13A	75	55	74	62	84	102
680-205852-2	MW-20A	75	49	73	53	73	115
680-205852-3	Duplicate	69	48	72	54	62	106
LCS 680-689316/5-A	Lab Control Sample	70	51	68	57	88	106
LCS 680-689316/7-A	Lab Control Sample	89	59	84	65	95	122
LCSD 680-689316/6-A	Lab Control Sample Dup	81	61	80	67	98	120
LCSD 680-689316/8-A	Lab Control Sample Dup	77	49	77	57	87	106
MB 680-689316/4-A	Method Blank	82	60	82	64	90	116

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (14-130)	TCX1 (40-130)
680-205852-1	MW-13A	69	75
680-205852-2	MW-20A	52	59
LCS 680-689313/5-A	Lab Control Sample	105	87
LCSD 680-689313/6-A	Lab Control Sample Dup	108	97
MB 680-689313/4-A	Method Blank	104	99

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX2 (40-130)
680-205852-3	Duplicate	69	77
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TPP2 (60-154)	TPP1 (60-154)
680-205852-1	MW-13A	65	
680-205852-2	MW-20A	65	
680-205852-3	Duplicate	74	
680-206060-E-2-B MS	Matrix Spike	73	
680-206060-E-2-C MSD	Matrix Spike Duplicate	79	
LCS 280-554136/2-A	Lab Control Sample	77	79
MB 280-554136/1-A	Method Blank	76	79
Surrogate Legend			
TPP = Triphenylphosphate			

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-690585/9

Matrix: Water

Analysis Batch: 690585

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/22/21 14:09	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130					10/22/21 14:09	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 124					10/22/21 14:09	1
Dibromofluoromethane (Surr)	114		70 - 130					10/22/21 14:09	1
4-Bromofluorobenzene (Surr)	103		70 - 130					10/22/21 14:09	1

Lab Sample ID: LCS 680-690585/3

Matrix: Water

Analysis Batch: 690585

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	106		70 - 130				
1,2-Dichloroethane-d4 (Surr)	123		60 - 124				
Dibromofluoromethane (Surr)	113		70 - 130				
4-Bromofluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 680-690585/4

Matrix: Water

Analysis Batch: 690585

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130	1	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	104		70 - 130						
1,2-Dichloroethane-d4 (Surr)	117		60 - 124						
Dibromofluoromethane (Surr)	110		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-689316/4-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		10/14/21 16:26	10/21/21 15:03	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		10/14/21 16:26	10/21/21 15:03	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		32 - 113				10/14/21 16:26	10/21/21 15:03	1
2-Fluorophenol	60		26 - 109				10/14/21 16:26	10/21/21 15:03	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-689316/4-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689316

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		32 - 118	10/14/21 16:26	10/21/21 15:03	1
Phenol-d5	64		27 - 110	10/14/21 16:26	10/21/21 15:03	1
Terphenyl-d14	90		10 - 126	10/14/21 16:26	10/21/21 15:03	1
2,4,6-Tribromophenol	116		39 - 124	10/14/21 16:26	10/21/21 15:03	1

Lab Sample ID: LCS 680-689316/5-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	205		ug/L		102	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	70		32 - 113
2-Fluorophenol	51		26 - 109
Nitrobenzene-d5	68		32 - 118
Phenol-d5	57		27 - 110
Terphenyl-d14	88		10 - 126
2,4,6-Tribromophenol	106		39 - 124

Lab Sample ID: LCS 680-689316/7-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	100	132	*+	ug/L		132	23 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	89		32 - 113
2-Fluorophenol	59		26 - 109
Nitrobenzene-d5	84		32 - 118
Phenol-d5	65		27 - 110
Terphenyl-d14	95		10 - 126
2,4,6-Tribromophenol	122		39 - 124

Lab Sample ID: LCSD 680-689316/6-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 689316

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4-Nitrophenol	200	242		ug/L		121	44 - 130	17	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	81		32 - 113
2-Fluorophenol	61		26 - 109
Nitrobenzene-d5	80		32 - 118
Phenol-d5	67		27 - 110

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-689316/6-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 689316

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Terphenyl-d14	98		10 - 126
2,4,6-Tribromophenol	120		39 - 124

Lab Sample ID: LCSD 680-689316/8-A

Matrix: Water

Analysis Batch: 690352

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 689316

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o,o',o"-Triethylphosphorothioate	100	121		ug/L		121	23 - 130	9	50

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	77		32 - 113
2-Fluorophenol	49		26 - 109
Nitrobenzene-d5	77		32 - 118
Phenol-d5	57		27 - 110
Terphenyl-d14	87		10 - 126
2,4,6-Tribromophenol	106		39 - 124

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-689313/4-A

Matrix: Water

Analysis Batch: 689569

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1221	<0.50		0.50	0.095	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1232	<0.50		0.50	0.13	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1242	<0.50		0.50	0.095	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1248	<0.50		0.50	0.11	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1254	<0.50		0.50	0.055	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1260	<0.50		0.50	0.060	ug/L		10/14/21 16:26	10/15/21 20:40	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/14/21 16:26	10/15/21 20:40	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
DCB Decachlorobiphenyl	104		14 - 130	10/14/21 16:26	10/15/21 20:40	1			
Tetrachloro-m-xylene	99		40 - 130	10/14/21 16:26	10/15/21 20:40	1			

Lab Sample ID: LCS 680-689313/5-A

Matrix: Water

Analysis Batch: 689569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	3.00	2.86		ug/L		95	44 - 130		
PCB-1260	3.00	3.14		ug/L		105	35 - 130		

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-689313/5-A
Matrix: Water
Analysis Batch: 689569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689313

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	105		14 - 130
Tetrachloro-m-xylene	87		40 - 130

Lab Sample ID: LCSD 680-689313/6-A
Matrix: Water
Analysis Batch: 689569

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 689313

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	3.00	3.01		ug/L		100	44 - 130	5	30
PCB-1260	3.00	3.46		ug/L		115	35 - 130	10	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	108		14 - 130
Tetrachloro-m-xylene	97		40 - 130

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-554136/1-A
Matrix: Water
Analysis Batch: 554549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 554136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 01:43	1
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 01:43	1
Sulfotepp	<1.5		1.5	0.17	ug/L		10/19/21 17:48	10/22/21 01:43	1
Sulfotepp	<1.5		1.5	0.17	ug/L		10/19/21 17:48	10/22/21 01:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	79		60 - 154	10/19/21 17:48	10/22/21 01:43	1
Triphenylphosphate	76		60 - 154	10/19/21 17:48	10/22/21 01:43	1

Lab Sample ID: LCS 280-554136/2-A
Matrix: Water
Analysis Batch: 554549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 554136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Parathion	4.00	2.89		ug/L		72	55 - 107
Parathion	4.00	2.83		ug/L		71	55 - 107
Sulfotepp	4.00	2.85		ug/L		71	53 - 110
Sulfotepp	4.00	2.89		ug/L		72	53 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	79		60 - 154
Triphenylphosphate	77		60 - 154

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-689273/1-A
Matrix: Water
Analysis Batch: 689703

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 689273

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/14/21 10:30	10/14/21 23:59	1

Lab Sample ID: LCS 680-689273/2-A
Matrix: Water
Analysis Batch: 689703

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 689273

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0482		mg/L		96	80 - 120

Lab Sample ID: 680-205852-2 MS
Matrix: Water
Analysis Batch: 689703

Client Sample ID: MW-20A
Prep Type: Total Recoverable
Prep Batch: 689273

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	<0.010		0.0500	0.0487		mg/L		94	75 - 125

Lab Sample ID: 680-205852-2 MSD
Matrix: Water
Analysis Batch: 689703

Client Sample ID: MW-20A
Prep Type: Total Recoverable
Prep Batch: 689273

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	<0.010		0.0500	0.0475		mg/L		92	75 - 125	2	20

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

GC/MS VOA

Analysis Batch: 690585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-2	MW-20A	Total/NA	Water	8260B	
680-205852-3	Duplicate	Total/NA	Water	8260B	
680-205852-4	Trip Blank 20211012	Total/NA	Water	8260B	
MB 680-690585/9	Method Blank	Total/NA	Water	8260B	
LCS 680-690585/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-690585/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 689316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-1	MW-13A	Total/NA	Water	3520C	
680-205852-2	MW-20A	Total/NA	Water	3520C	
680-205852-3	Duplicate	Total/NA	Water	3520C	
MB 680-689316/4-A	Method Blank	Total/NA	Water	3520C	
LCS 680-689316/5-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-689316/7-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-689316/6-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-689316/8-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 690352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-1	MW-13A	Total/NA	Water	8270D	689316
680-205852-2	MW-20A	Total/NA	Water	8270D	689316
680-205852-3	Duplicate	Total/NA	Water	8270D	689316
MB 680-689316/4-A	Method Blank	Total/NA	Water	8270D	689316
LCS 680-689316/5-A	Lab Control Sample	Total/NA	Water	8270D	689316
LCS 680-689316/7-A	Lab Control Sample	Total/NA	Water	8270D	689316
LCSD 680-689316/6-A	Lab Control Sample Dup	Total/NA	Water	8270D	689316
LCSD 680-689316/8-A	Lab Control Sample Dup	Total/NA	Water	8270D	689316

GC Semi VOA

Prep Batch: 554136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-1	MW-13A	Total/NA	Water	3510C	
680-205852-2	MW-20A	Total/NA	Water	3510C	
680-205852-3	Duplicate	Total/NA	Water	3510C	
MB 280-554136/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-554136/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 554549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-554136/1-A	Method Blank	Total/NA	Water	8141B	554136
LCS 280-554136/2-A	Lab Control Sample	Total/NA	Water	8141B	554136

Analysis Batch: 554718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-1	MW-13A	Total/NA	Water	8141B	554136
680-205852-2	MW-20A	Total/NA	Water	8141B	554136
680-205852-3	Duplicate	Total/NA	Water	8141B	554136

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

GC Semi VOA

Prep Batch: 689313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-1	MW-13A	Total/NA	Water	3520C	
680-205852-2	MW-20A	Total/NA	Water	3520C	
680-205852-3	Duplicate	Total/NA	Water	3520C	
MB 680-689313/4-A	Method Blank	Total/NA	Water	3520C	
LCS 680-689313/5-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-689313/6-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 689569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-1	MW-13A	Total/NA	Water	8081B/8082A	689313
680-205852-2	MW-20A	Total/NA	Water	8081B/8082A	689313
680-205852-3	Duplicate	Total/NA	Water	8081B/8082A	689313
MB 680-689313/4-A	Method Blank	Total/NA	Water	8081B/8082A	689313
LCS 680-689313/5-A	Lab Control Sample	Total/NA	Water	8081B/8082A	689313
LCSD 680-689313/6-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	689313

Metals

Prep Batch: 689273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-2	MW-20A	Total Recoverable	Water	3005A	
680-205852-3	Duplicate	Total Recoverable	Water	3005A	
MB 680-689273/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-689273/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-205852-2 MS	MW-20A	Total Recoverable	Water	3005A	
680-205852-2 MSD	MW-20A	Total Recoverable	Water	3005A	

Analysis Batch: 689703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205852-2	MW-20A	Total Recoverable	Water	6010C	689273
680-205852-3	Duplicate	Total Recoverable	Water	6010C	689273
MB 680-689273/1-A	Method Blank	Total Recoverable	Water	6010C	689273
LCS 680-689273/2-A	Lab Control Sample	Total Recoverable	Water	6010C	689273
680-205852-2 MS	MW-20A	Total Recoverable	Water	6010C	689273
680-205852-2 MSD	MW-20A	Total Recoverable	Water	6010C	689273

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Client Sample ID: MW-13A

Lab Sample ID: 680-205852-1

Date Collected: 10/12/21 12:07

Matrix: Water

Date Received: 10/13/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1012.1 mL	1 mL	689316	10/14/21 16:26	IR	TAL SAV
Total/NA	Analysis	8270D		1			690352	10/21/21 17:01	T1C	TAL SAV
Instrument ID: CMSG										
Total/NA	Prep	3520C			1027.9 mL	5 mL	689313	10/14/21 16:26	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			689569	10/15/21 22:28	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1038 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554718	10/23/21 11:18	MB	TAL DEN
Instrument ID: SGC_D2										

Client Sample ID: MW-20A

Lab Sample ID: 680-205852-2

Date Collected: 10/12/21 14:24

Matrix: Water

Date Received: 10/13/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	690585	10/22/21 18:40	SMP	TAL SAV
Instrument ID: CMSAA										
Total/NA	Prep	3520C			1032.2 mL	1 mL	689316	10/14/21 16:26	IR	TAL SAV
Total/NA	Analysis	8270D		1			690352	10/21/21 17:24	T1C	TAL SAV
Instrument ID: CMSG										
Total/NA	Prep	3520C			1020 mL	5 mL	689313	10/14/21 16:26	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			689569	10/15/21 22:46	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1054.3 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554718	10/23/21 13:15	MB	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	689273	10/14/21 10:30	JE	TAL SAV
Total Recoverable	Analysis	6010C		1			689703	10/15/21 00:08	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: Duplicate

Lab Sample ID: 680-205852-3

Date Collected: 10/12/21 00:00

Matrix: Water

Date Received: 10/13/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	690585	10/22/21 19:05	SMP	TAL SAV
Instrument ID: CMSAA										
Total/NA	Prep	3520C			1049.4 mL	1 mL	689316	10/14/21 16:26	IR	TAL SAV
Total/NA	Analysis	8270D		1			690352	10/21/21 17:47	T1C	TAL SAV
Instrument ID: CMSG										
Total/NA	Prep	3520C			1037.1 mL	5 mL	689313	10/14/21 16:26	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			689569	10/15/21 23:04	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1039.9 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554718	10/23/21 13:54	MB	TAL DEN
Instrument ID: SGC_D2										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Client Sample ID: Duplicate

Date Collected: 10/12/21 00:00

Date Received: 10/13/21 10:30

Lab Sample ID: 680-205852-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	689273	10/14/21 10:30	JE	TAL SAV
Total Recoverable	Analysis	6010C		1			689703	10/15/21 00:22	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: Trip Blank 20211012

Date Collected: 10/12/21 00:00

Date Received: 10/13/21 10:30

Lab Sample ID: 680-205852-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	690585	10/22/21 18:15	SMP	TAL SAV
Instrument ID: CMSAA										

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-22

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	11-02-21
A2LA	ISO/IEC 17025	2907.01	11-02-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21 *
California	State	2513	01-08-22
Connecticut	State	PH-0686	09-30-22
Florida	NELAP	E87667-57	06-30-22
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-22
Iowa	State	IA#370	12-02-22
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-22
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-22
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	07-01-22
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21 *
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-22
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-21-19	10-01-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21 *
Virginia	NELAP	10490	06-14-22
Washington	State	C583-19	08-03-22
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-22
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA April 2021

Job ID: 680-205852-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

Eurofins
244-ATLANTA

Client Information Client Contact: Mr. Jerry Hopper Company: Solutia Inc. Address: 702 Clydesdale Ave City: Anniston State Zip: AL, 36201-5328 Phone: 713-522-6300 (Tel) Email: johopp@eastman.com Project Name: Anniston RCRA April 2021 Site:		Sampler: JA, EGK, AJV Lab PM: Weinberg, Amy E-Mail: amy.weinberg@Eurofins.com Phone: 713-522-6300 PWSID:	Carrier Tracking Note(s): State of Origin:	COC No: 680-129058-47872.5 Page: 1 of 1 Job #: 5739
Due Date Requested: TAT Requested (days): Standard TAT Compliance Project: Yes ☐ No ☐ PO #: 45008622 WO #:		Analysis Requested		
Matrix (W=Water, S=Solid, O=Water/Oil, BT=Issue A+B) Sample Type (C=Comp, G=grab) Sample Date: 10-12-21 Sample Time: 1207 Preservation Code: G		Field Filtered Sample (Yes or No) ☒ No Perform MS/MSD (Yes or No) ☒ No 8260B - Chlorobenzene 8270D - 4-NP/000-TEPP 8081B - 8082A - PCB (Aroclors) 8141B - Parathion/Chlorpyrifos only 6010C - Cobalt 8141B - Parathion/Chlorpyrifos/Retracid/Idithion		
Sample Identification MW-13A MW-20A Duplicate Trip Blank 2021/10/20		Total Number of Containers: 6 Special Instructions/Note:		
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) Level II		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		
Empty Kit Relinquished by:		Special Instructions/QC Requirements		
Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Method of Shipment:		
Date/Time: 10-12-21 1430 Date/Time: 10-12-21 1430 Date/Time: 10-12-21 1430		Date/Time: 10/13 1630 Date/Time: 10/13 1630 Date/Time: 10/13 1630		
Custody Seal Intact: Yes ☐ No ☐ Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.9/10, 3.6/3.7, 2.8/2.9		

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-205852-1

Login Number: 205852

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Hartley, Tyler

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-205852-1

Login Number: 205852

List Number: 2

Creator: Lee, Jerry

List Source: Eurofins TestAmerica, Denver

List Creation: 10/14/21 05:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: RCRA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-205973-1
 Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-205973-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: MW-16, MW-01B, MW-11A, TripBlank 20211013

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	<u>TripBlank 20211013</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	
b) Were hold times met for sample analysis?	☒	☐	☐	
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☒	☐	☐	
f) Were any sample dilutions noted?	☐	☒	☐	
g) Were any matrix problems noted?	☒	☐	☐	<u>MW-16 sample matrix was light green.</u>

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>LCS/LCSD RPD = 2%</u>
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☐	☐	☒	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☐	☐	☒	

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits? <u>Method 8081B/8082A= 20% (NFG QC lower limit= 30%)</u>	☐	☒	☐	<u>DCB recovery in MW-16 and MW-01B for</u>
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	

Comments/Notes:

- (1) NFG= National Functional Guidelines for Organic Superfund Methods Data Review.
- (2) Low recoveries of surrogate DCBP for Method 8081B/8082A in MW-16 and MW-01B occurred; therefore, non-detects have been qualified as UJ.

Data Qualification:

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Sample Name	Constituent(s)	Result	Qualifier	Reason
MW-16	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
MW-16	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
MW-01B	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery

Signature: 

Date: 05 November 2021

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: RCRA Groundwater Monitoring

Project Number: 680-205973-1

Reviewer: Jessica Alanis

Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-205973-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: MW-16, MW-01B

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)?	☒	☐	☐	_____
f) Field QC noted?	☐	☒	☐	_____
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	_____
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☐	☐	☒	<u>No MS/MSD samples in this report.</u>
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
b) Was MSD accuracy criteria met?	☐	☐	☒	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☐	☒	
c) Were MS/MSD precision criteria met?	☐	☐	☒	

Comments/Notes:
No data requires qualification.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason

Signature: 

Date: 05 November 2021

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

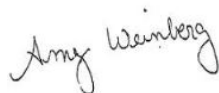
Laboratory Job ID: 680-205973-1

Client Project/Site: Anniston RCRA October 2021

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
10/27/2021 4:49:22 PM

Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Job ID: 680-205973-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-205973-1

Comments

No additional comments.

Receipt

The samples were received on 10/14/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.0° C, 2.2° C and 4.6° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 4-Nitrophenol (-22.9%D) and o,o',o"-Triethylphosphorothioate (-20.4%D). These analytes may have a %D >20% but must be <50%. If >50%, a CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B/8082A: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-16 (680-205973-1). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3510C: The following sample MW-16 (680-205973-1) was light green in color preparation batch 280-554136. Method: 614/8141A/8141B

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-205973-1	MW-16	Water	10/12/21 16:38	10/14/21 10:30
680-205973-2	MW-01B	Water	10/13/21 11:47	10/14/21 10:30
680-205973-3	MW-11A	Water	10/13/21 14:52	10/14/21 10:30
680-205973-4	TripBlank 20211013	Water	10/13/21 00:00	10/14/21 10:30

Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Client Sample ID: MW-16

Lab Sample ID: 680-205973-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Nitrophenol	35		25	1.9	ug/L	1		8270D	Total/NA
o,o',o"-Triethylphosphorothioate	52		10	1.0	ug/L	1		8270D	Total/NA

Client Sample ID: MW-01B

Lab Sample ID: 680-205973-2

No Detections.

Client Sample ID: MW-11A

Lab Sample ID: 680-205973-3

No Detections.

Client Sample ID: TripBlank 20211013

Lab Sample ID: 680-205973-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Client Sample ID: MW-16

Date Collected: 10/12/21 16:38

Date Received: 10/14/21 10:30

Lab Sample ID: 680-205973-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/23/21 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130					10/23/21 14:17	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124					10/23/21 14:17	1
Dibromofluoromethane (Surr)	109		70 - 130					10/23/21 14:17	1
4-Bromofluorobenzene (Surr)	104		70 - 130					10/23/21 14:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	35		25	1.9	ug/L		10/19/21 18:40	10/22/21 20:56	1
o,o',o"-Triethylphosphorothioate	52		10	1.0	ug/L		10/19/21 18:40	10/22/21 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	62		32 - 113				10/19/21 18:40	10/22/21 20:56	1
2-Fluorophenol	46		26 - 109				10/19/21 18:40	10/22/21 20:56	1
Nitrobenzene-d5	53		32 - 118				10/19/21 18:40	10/22/21 20:56	1
Phenol-d5	47		27 - 110				10/19/21 18:40	10/22/21 20:56	1
Terphenyl-d14	53		10 - 126				10/19/21 18:40	10/22/21 20:56	1
2,4,6-Tribromophenol	67		39 - 124				10/19/21 18:40	10/22/21 20:56	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.088	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1221	<0.50		0.50	0.093	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1232	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1242	<0.50		0.50	0.093	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1248	<0.50		0.50	0.10	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1254	<0.50		0.50	0.054	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1260	<0.50		0.50	0.059	ug/L		10/21/21 17:29	10/22/21 20:50	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	20		14 - 130				10/21/21 17:29	10/22/21 20:50	1
Tetrachloro-m-xylene	137	p S1+	40 - 130				10/21/21 17:29	10/22/21 20:50	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 16:02	1
Tetraethyldithiopyrophosphate	<1.5		1.5	0.16	ug/L		10/19/21 17:48	10/22/21 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	72		60 - 154				10/19/21 17:48	10/22/21 16:02	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/15/21 17:19	10/19/21 03:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Client Sample ID: MW-01B

Lab Sample ID: 680-205973-2

Date Collected: 10/13/21 11:47

Matrix: Water

Date Received: 10/14/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/23/21 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130					10/23/21 14:42	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 124					10/23/21 14:42	1
Dibromofluoromethane (Surr)	115		70 - 130					10/23/21 14:42	1
4-Bromofluorobenzene (Surr)	105		70 - 130					10/23/21 14:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	2.0	ug/L		10/19/21 18:40	10/22/21 21:20	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		10/19/21 18:40	10/22/21 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		32 - 113				10/19/21 18:40	10/22/21 21:20	1
2-Fluorophenol	42		26 - 109				10/19/21 18:40	10/22/21 21:20	1
Nitrobenzene-d5	55		32 - 118				10/19/21 18:40	10/22/21 21:20	1
Phenol-d5	41		27 - 110				10/19/21 18:40	10/22/21 21:20	1
Terphenyl-d14	75		10 - 126				10/19/21 18:40	10/22/21 21:20	1
2,4,6-Tribromophenol	81		39 - 124				10/19/21 18:40	10/22/21 21:20	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.089	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1221	<0.50		0.50	0.094	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1232	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1242	<0.50		0.50	0.094	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1248	<0.50		0.50	0.10	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1254	<0.50		0.50	0.054	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1260	<0.50		0.50	0.059	ug/L		10/21/21 17:29	10/22/21 21:09	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	20	p	14 - 130				10/21/21 17:29	10/22/21 21:09	1
Tetrachloro-m-xylene	86		40 - 130				10/21/21 17:29	10/22/21 21:09	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 16:41	1
Tetraethylthiopyrophosphate	<1.5		1.5	0.16	ug/L		10/19/21 17:48	10/22/21 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	75		60 - 154				10/19/21 17:48	10/22/21 16:41	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/15/21 17:45	10/20/21 00:29	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Client Sample ID: MW-11A

Lab Sample ID: 680-205973-3

Date Collected: 10/13/21 14:52

Matrix: Water

Date Received: 10/14/21 10:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.8	ug/L		10/19/21 18:40	10/22/21 21:43	1
o,o',o"-Triethylphosphorothioate	<10		10	0.97	ug/L		10/19/21 18:40	10/22/21 21:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	49		32 - 113				10/19/21 18:40	10/22/21 21:43	1
2-Fluorophenol	41		26 - 109				10/19/21 18:40	10/22/21 21:43	1
Nitrobenzene-d5	45		32 - 118				10/19/21 18:40	10/22/21 21:43	1
Phenol-d5	38		27 - 110				10/19/21 18:40	10/22/21 21:43	1
Terphenyl-d14	74		10 - 126				10/19/21 18:40	10/22/21 21:43	1
2,4,6-Tribromophenol	52		39 - 124				10/19/21 18:40	10/22/21 21:43	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.091	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1221	<0.50		0.50	0.096	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1232	<0.50		0.50	0.13	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1242	<0.50		0.50	0.096	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1248	<0.50		0.50	0.11	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1254	<0.50		0.50	0.056	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1260	<0.50		0.50	0.061	ug/L		10/21/21 17:29	10/22/21 21:27	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		14 - 130				10/21/21 17:29	10/22/21 21:27	1
Tetrachloro-m-xylene	68		40 - 130				10/21/21 17:29	10/22/21 21:27	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	62		60 - 154				10/19/21 17:48	10/22/21 17:20	1

Client Sample ID: TripBlank 20211013

Lab Sample ID: 680-205973-4

Date Collected: 10/13/21 00:00

Matrix: Water

Date Received: 10/14/21 10:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/23/21 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130					10/23/21 12:39	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124					10/23/21 12:39	1
Dibromofluoromethane (Surr)	113		70 - 130					10/23/21 12:39	1
4-Bromofluorobenzene (Surr)	105		70 - 130					10/23/21 12:39	1

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DCA (60-124)	DBFM (70-130)	BFB (70-130)
680-205973-1	MW-16	105	109	109	104
680-205973-2	MW-01B	107	116	115	105
680-205973-4	TripBlank 20211013	104	111	113	105
LCS 680-690745/5	Lab Control Sample	104	116	109	101
LCSD 680-690745/6	Lab Control Sample Dup	106	118	111	102
MB 680-690745/8	Method Blank	100	114	110	104

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
680-205973-1	MW-16	62	46	53	47	53	67
680-205973-2	MW-01B	88	42	55	41	75	81
680-205973-3	MW-11A	49	41	45	38	74	52
680-206060-C-2-A MS	Matrix Spike	81	50	61	52	56	84
680-206060-C-2-B MSD	Matrix Spike Duplicate	81	45	59	50	70	92
680-206060-D-2-E MSD	Matrix Spike Duplicate	66	52	62	54	97	91
680-206060-D-2-F MS	Matrix Spike	76	58	62	62	82	74
LCS 680-689960/12-B	Lab Control Sample	79	60	67	57	71	75
LCS 680-689960/15-B	Lab Control Sample	108	52	71	53	75	104
MB 680-689960/11-B	Method Blank	83	58	66	54	82	97

Surrogate Legend

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (14-130)	TCX2 (40-130)
680-205973-1	MW-16	20	137 p S1+

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX2 (40-130)
680-205973-2	MW-01B	20 p	86
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP2 (14-130)	TCX1 (40-130)
680-205973-3	MW-11A	71	68
LCS 680-690385/10-A	Lab Control Sample	74	58
MB 680-690385/7-A	Method Blank	78	61
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (14-130)	TCX1 (40-130)
680-206060-B-2-D MS	Matrix Spike	31 p	58
680-206060-B-2-E MSD	Matrix Spike Duplicate	33 p	53
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPP1 (60-154)
280-154249-C-18-A MS	Matrix Spike	79
280-154249-F-18-A MSD	Matrix Spike Duplicate	83
680-205973-1	MW-16	72
680-205973-2	MW-01B	75
680-205973-3	MW-11A	62
LCS 280-554136/2-A	Lab Control Sample	79
MB 280-554136/1-A	Method Blank	79
Surrogate Legend		

Eurofins TestAmerica, Savannah

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021
TPP = Triphenylphosphate

Job ID: 680-205973-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-690745/8

Matrix: Water

Analysis Batch: 690745

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/23/21 11:19	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130					10/23/21 11:19	1
1,2-Dichloroethane-d4 (Surr)	114		60 - 124					10/23/21 11:19	1
Dibromofluoromethane (Surr)	110		70 - 130					10/23/21 11:19	1
4-Bromofluorobenzene (Surr)	104		70 - 130					10/23/21 11:19	1

Lab Sample ID: LCS 680-690745/5

Matrix: Water

Analysis Batch: 690745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	104		70 - 130				
1,2-Dichloroethane-d4 (Surr)	116		60 - 124				
Dibromofluoromethane (Surr)	109		70 - 130				
4-Bromofluorobenzene (Surr)	101		70 - 130				

Lab Sample ID: LCSD 680-690745/6

Matrix: Water

Analysis Batch: 690745

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	49.6		ug/L		99	70 - 130	2	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	106		70 - 130						
1,2-Dichloroethane-d4 (Surr)	118		60 - 124						
Dibromofluoromethane (Surr)	111		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-689960/11-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		10/19/21 18:40	10/22/21 17:47	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		10/19/21 18:40	10/22/21 17:47	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		32 - 113				10/19/21 18:40	10/22/21 17:47	1
2-Fluorophenol	58		26 - 109				10/19/21 18:40	10/22/21 17:47	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-689960/11-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689960

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		32 - 118	10/19/21 18:40	10/22/21 17:47	1
Phenol-d5	54		27 - 110	10/19/21 18:40	10/22/21 17:47	1
Terphenyl-d14	82		10 - 126	10/19/21 18:40	10/22/21 17:47	1
2,4,6-Tribromophenol	97		39 - 124	10/19/21 18:40	10/22/21 17:47	1

Lab Sample ID: LCS 680-689960/12-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	146		ug/L		73	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	79		32 - 113
2-Fluorophenol	60		26 - 109
Nitrobenzene-d5	67		32 - 118
Phenol-d5	57		27 - 110
Terphenyl-d14	71		10 - 126
2,4,6-Tribromophenol	75		39 - 124

Lab Sample ID: LCS 680-689960/15-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	100	88.9		ug/L		89	23 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	108		32 - 113
2-Fluorophenol	52		26 - 109
Nitrobenzene-d5	71		32 - 118
Phenol-d5	53		27 - 110
Terphenyl-d14	75		10 - 126
2,4,6-Tribromophenol	104		39 - 124

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-690385/7-A

Matrix: Water

Analysis Batch: 690661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 690385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1221	<0.50		0.50	0.095	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1232	<0.50		0.50	0.13	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1242	<0.50		0.50	0.095	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1248	<0.50		0.50	0.11	ug/L		10/21/21 17:29	10/22/21 19:02	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-690385/7-A

Matrix: Water

Analysis Batch: 690661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 690385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.50		0.50	0.055	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1260	<0.50		0.50	0.060	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 19:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		14 - 130	10/21/21 17:29	10/22/21 19:02	1
Tetrachloro-m-xylene	61		40 - 130	10/21/21 17:29	10/22/21 19:02	1

Lab Sample ID: LCS 680-690385/10-A

Matrix: Water

Analysis Batch: 690661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 690385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	3.00	2.03		ug/L		68	44 - 130
PCB-1260	3.00	2.75		ug/L		92	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	74		14 - 130
Tetrachloro-m-xylene	58		40 - 130

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-554136/1-A

Matrix: Water

Analysis Batch: 554549

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 554136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 01:43	1
Tetraethyldithiopyrophosphate	<1.5		1.5	0.17	ug/L		10/19/21 17:48	10/22/21 01:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	79		60 - 154	10/19/21 17:48	10/22/21 01:43	1

Lab Sample ID: LCS 280-554136/2-A

Matrix: Water

Analysis Batch: 554549

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 554136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Parathion	4.00	2.89		ug/L		72	55 - 107
Tetraethyldithiopyrophosphate	4.00	2.85		ug/L		71	53 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Triphenylphosphate	79		60 - 154

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-689559/1-A
Matrix: Water
Analysis Batch: 689928

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 689559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/15/21 17:19	10/19/21 02:05	1

Lab Sample ID: LCS 680-689559/2-A
Matrix: Water
Analysis Batch: 689928

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 689559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0479		mg/L		96	80 - 120

Lab Sample ID: MB 680-689564/1-A
Matrix: Water
Analysis Batch: 690133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 689564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/15/21 17:45	10/19/21 23:26	1

Lab Sample ID: LCS 680-689564/2-A
Matrix: Water
Analysis Batch: 690133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 689564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0480		mg/L		96	80 - 120

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

GC/MS VOA

Analysis Batch: 690745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	8260B	
680-205973-2	MW-01B	Total/NA	Water	8260B	
680-205973-4	TripBlank 20211013	Total/NA	Water	8260B	
MB 680-690745/8	Method Blank	Total/NA	Water	8260B	
LCS 680-690745/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-690745/6	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 689960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	3520C	
680-205973-2	MW-01B	Total/NA	Water	3520C	
680-205973-3	MW-11A	Total/NA	Water	3520C	
MB 680-689960/11-B	Method Blank	Total/NA	Water	3520C	
LCS 680-689960/12-B	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-689960/15-B	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 690697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	8270D	689960
680-205973-2	MW-01B	Total/NA	Water	8270D	689960
680-205973-3	MW-11A	Total/NA	Water	8270D	689960
MB 680-689960/11-B	Method Blank	Total/NA	Water	8270D	689960
LCS 680-689960/12-B	Lab Control Sample	Total/NA	Water	8270D	689960
LCS 680-689960/15-B	Lab Control Sample	Total/NA	Water	8270D	689960

GC Semi VOA

Prep Batch: 554136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	3510C	
680-205973-2	MW-01B	Total/NA	Water	3510C	
680-205973-3	MW-11A	Total/NA	Water	3510C	
MB 280-554136/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-554136/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 554549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	8141B	554136
680-205973-2	MW-01B	Total/NA	Water	8141B	554136
680-205973-3	MW-11A	Total/NA	Water	8141B	554136
MB 280-554136/1-A	Method Blank	Total/NA	Water	8141B	554136
LCS 280-554136/2-A	Lab Control Sample	Total/NA	Water	8141B	554136

Prep Batch: 690385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	3520C	
680-205973-2	MW-01B	Total/NA	Water	3520C	
680-205973-3	MW-11A	Total/NA	Water	3520C	
MB 680-690385/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-690385/10-A	Lab Control Sample	Total/NA	Water	3520C	

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

GC Semi VOA

Analysis Batch: 690661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total/NA	Water	8081B/8082A	690385
680-205973-2	MW-01B	Total/NA	Water	8081B/8082A	690385
680-205973-3	MW-11A	Total/NA	Water	8081B/8082A	690385
MB 680-690385/7-A	Method Blank	Total/NA	Water	8081B/8082A	690385
LCS 680-690385/10-A	Lab Control Sample	Total/NA	Water	8081B/8082A	690385

Metals

Prep Batch: 689559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total Recoverable	Water	3005A	
MB 680-689559/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-689559/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 689564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-2	MW-01B	Total Recoverable	Water	3005A	
MB 680-689564/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-689564/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 689928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-1	MW-16	Total Recoverable	Water	6010C	689559
MB 680-689559/1-A	Method Blank	Total Recoverable	Water	6010C	689559
LCS 680-689559/2-A	Lab Control Sample	Total Recoverable	Water	6010C	689559

Analysis Batch: 690133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-205973-2	MW-01B	Total Recoverable	Water	6010C	689564
MB 680-689564/1-A	Method Blank	Total Recoverable	Water	6010C	689564
LCS 680-689564/2-A	Lab Control Sample	Total Recoverable	Water	6010C	689564

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Client Sample ID: MW-16

Date Collected: 10/12/21 16:38

Date Received: 10/14/21 10:30

Lab Sample ID: 680-205973-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	690745	10/23/21 14:17	P1C	TAL SAV
	Instrument ID: CMSAA									
Total/NA	Prep	3520C			993.4 mL	1 mL	689960	10/19/21 18:40	IR	TAL SAV
Total/NA	Analysis	8270D		1			690697	10/22/21 20:56	T1C	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3520C			1022 mL	5 mL	690385	10/21/21 17:29	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			690661	10/22/21 20:50	JCK	TAL SAV
	Instrument ID: CSGJ									
Total/NA	Prep	3510C			1036.2 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554549	10/22/21 16:02	MB	TAL DEN
	Instrument ID: SGC_D2									
Total Recoverable	Prep	3005A			50 mL	50 mL	689559	10/15/21 17:19	JE	TAL SAV
Total Recoverable	Analysis	6010C		1			689928	10/19/21 03:09	BCB	TAL SAV
	Instrument ID: ICPE									

Client Sample ID: MW-01B

Date Collected: 10/13/21 11:47

Date Received: 10/14/21 10:30

Lab Sample ID: 680-205973-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	690745	10/23/21 14:42	P1C	TAL SAV
	Instrument ID: CMSAA									
Total/NA	Prep	3520C			962.2 mL	1 mL	689960	10/19/21 18:40	IR	TAL SAV
Total/NA	Analysis	8270D		1			690697	10/22/21 21:20	T1C	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3520C			1012.2 mL	5 mL	690385	10/21/21 17:29	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			690661	10/22/21 21:09	JCK	TAL SAV
	Instrument ID: CSGJ									
Total/NA	Prep	3510C			1028.5 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554549	10/22/21 16:41	MB	TAL DEN
	Instrument ID: SGC_D2									
Total Recoverable	Prep	3005A			50 mL	50 mL	689564	10/15/21 17:45	JE	TAL SAV
Total Recoverable	Analysis	6010C		1			690133	10/20/21 00:29	BCB	TAL SAV
	Instrument ID: ICPE									

Client Sample ID: MW-11A

Date Collected: 10/13/21 14:52

Date Received: 10/14/21 10:30

Lab Sample ID: 680-205973-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1034.2 mL	1 mL	689960	10/19/21 18:40	IR	TAL SAV
Total/NA	Analysis	8270D		1			690697	10/22/21 21:43	T1C	TAL SAV
	Instrument ID: CMSE									
Total/NA	Prep	3520C			986.3 mL	5 mL	690385	10/21/21 17:29	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			690661	10/22/21 21:27	JCK	TAL SAV
	Instrument ID: CSGJ									

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Client Sample ID: MW-11A

Date Collected: 10/13/21 14:52

Date Received: 10/14/21 10:30

Lab Sample ID: 680-205973-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1040.2 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554549	10/22/21 17:20	MB	TAL DEN
Instrument ID: SGC_D2										

Client Sample ID: TripBlank 20211013

Date Collected: 10/13/21 00:00

Date Received: 10/14/21 10:30

Lab Sample ID: 680-205973-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	690745	10/23/21 12:39	P1C	TAL SAV
Instrument ID: CMSAA										

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-22

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	11-02-21
A2LA	ISO/IEC 17025	2907.01	11-02-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21 *
California	State	2513	01-08-22
Connecticut	State	PH-0686	09-30-22
Florida	NELAP	E87667-57	06-30-22
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-22
Iowa	State	IA#370	12-02-22
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-22
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-22
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	07-01-22
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21 *
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-22
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-21-19	10-01-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21 *
Virginia	NELAP	10490	06-14-22
Washington	State	C583-19	08-03-22
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-22
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-205973-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

244-ATLANTA

Client Information Client Contact: Mr. Jerry Hopper Company: Solutia Inc. Address: 702 Clydesdale Ave City: Anniston State, Zip: AL, 36201-5328 Phone: 713-522-6300(Tel) Email: johopp@eastman.com Project Name: Anniston RCRA April 2021 Site:		Sampler: JA, ECK, AJV Lab PM: Weinberg, Amy Phone: 713-522-6300 E-Mail: amy.weinberg@Eurofins.com		Carmer Tracking No(s): State of Origin:		COC No: 680-129058-47872 6 Page: 1 of 1 Page Code: 1041 Job #: 5739		
Due Date Requested: TAT Requested (days): standard Compliance Project: Yes ☒ No ☐ PO #: 45008622 WCO #:		Analysis Requested 8141B - Parathion only 8141B - Parathion/Sulfotep 8081B, 8082A - PCB (Aroclors) 8270D - 4-NP/000-TEPP 8260B - Chlorobenzene						
Sample Identification MW-16 MW-01B MW-11A MW-12A MW-13 Trip Blank 20211013		Sample Date 10-12-21 10-13-21 10-13-21 10-13-21	Sample Time 1630 1147 1452 -	Sample Type (C=Comp, G=grab) G G G -	Matrix (W=water, S=solid, O=on-site) Water Water Water Water	Field Filtered Sample (Yes or No) Yes ☒ No ☐ Perform MS/MSD (Yes or No) Yes ☒ No ☐ 8260B - Chlorobenzene 8270D - 4-NP/000-TEPP 8081B, 8082A - PCB (Aroclors) 8141B - Parathion/Sulfotep 8141B - Parathion only	Total Number of Containers 10 10 6 2	Special Instructions/Note: 680-205973 Chain of Custody
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☒ Poison B ☒ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) Level II								
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months								
Special Instructions/QC Requirements.								
Empty Kit Relinquished by Relinquished by: [Signature] Relinquished by: Relinquished by:		Date: 10/13/21 10/13/21 10/13/21		Time: 1645 1645 1645		Company: Company Company		
Custody Seals Intact Yes ☒ No ☐		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 19/20, 4.5/4.6, 2.1/2.2		Date: 10/14/21		

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-205973-1

Login Number: 205973

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Hartley, Tyler

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-205973-1

Login Number: 205973

List Number: 2

Creator: O'Hara, Jake F

List Source: Eurofins TestAmerica, Denver

List Creation: 10/16/21 03:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.
 Project Name: RCRA Groundwater Monitoring
 Reviewer: Jessica Alanis

Project Manager: Amy Weinberg
 Project Number: 680-206060-1
 Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-206060-1

Analytical Method (type and no.): VOCs (8260B), SVOCS (8270D), PCBs (8081B/8082A), Pesticides (8141B)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐

Sample Names: MW-12A, MW-15, Tripblank 20212014

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	
b) Sampling team indicated?	☒	☐	☐	
c) Sample location noted?	☒	☐	☐	
d) Sample depth indicated (Soils)?	☐	☐	☒	
e) Sample type indicated (grab/composite)?	☒	☐	☐	
f) Field QC noted?	☒	☐	☐	<u>Tripblank 20211014, MS/MSD (@ MW-15)</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	
j) Does the laboratory narrative indicate deficiencies?	☒	☐	☐	

Note Deficiencies: Method 8260B MS/MSD (@ MW-15) ran outside 12-hour tune window; however, recoveries were within acceptance limits, so no qualification is required. The RPD between the primary and confirmation column exceeded control limits in surrogates of Method 8081B/8082A for all samples; however, all recoveries were within acceptance limits, so no qualification is required.

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	
c) Were samples received in good condition?	☒	☐	☐	

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	
b) Were hold times met for sample analysis?	☐	☒	☐	<u>Reanalysis of Method 8260B in MW-15 was performed just outside of holding time.</u>
c) Were the correct preservatives used?	☒	☐	☐	
d) Was the correct method used?	☒	☐	☐	
e) Were appropriate reporting limits achieved?	☒	☐	☐	
f) Were any sample dilutions noted?	☐	☒	☐	
g) Were any matrix problems noted?	☒	☐	☐	<u>Method 3510C (organic prep method) initial volumes deviated from standard procedure due to high density of the sample matrix in MW-12A.</u>

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	
b) Were analytes detected in the field blank(s)?	☐	☐	☒	
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	
d) Were analytes detected in the trip blank(s)?	☐	☒	☐	

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	
b) Were the proper compounds included in the LCS?	☒	☐	☐	
c) Was the LCS accuracy criteria met?	☒	☐	☐	

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	
c) Were lab duplicates analyzed (note original and duplicate samples)?	☒	☐	☐	<u>Multiple LCSDs, all RPDs ≤ 3%</u>
d) Were lab dup. precision criteria met (note RPD)?	☒	☐	☐	

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	
b) Was the %D within control limits?	☐	☐	☒	

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	
b) Was MSD accuracy criteria met?	☒	☐	☐	
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	
c) Were MS/MSD precision criteria met? <u>upper limit = 20%</u>	☐	☒	☐	<u>PCB-1260 MS/MSD RPD = 39% (NFG QC</u>

Surrogate Spikes	YES	NO	NA	COMMENTS
a) Were surrogate recoveries within control limits? <u>8081B/8082A= 26% (NFG QC lower limit=30%)</u>	☐	☒	☐	<u>DCB recovery in MW-12A for Method</u>
b) Were surrogate recoveries not calculated due to dilutions?	☐	☒	☐	

Comments/Notes:

- (1) NFG= National Functional Guidelines for Organic Superfund Methods Data Review.
- (2) Method 8260B for MW-15 was reanalyzed outside of holding time so the result has been qualified as UJ.
- (3) MS/MSD RPD of PCB-1260 exceed acceptance limits in samples from MW-15; however, PCB-1260 was not detected in MW-15 so no qualification is required.

QA LEVEL II - ORGANIC DATA EVALUATION CHECKLIST

- (4) Marginally low recovery of surrogate DCB for Method 8081B/8082A in MW-12A occurred; therefore, non-detects are qualified as UJ.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason
MW-15	Chlorobenzene	<1.0 ug/L	UJ	Reanalyzed outside of holding time
MW-12A	PCB-1016	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1221	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1232	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1242	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1248	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1254	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1260	<0.5 ug/L	UJ	Low DCB recovery
MW-12A	PCB-1268	<0.5 ug/L	UJ	Low DCB recovery

Signature:  _____

Date: 05 November 2021 _____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Company Name: GSI Environmental, Inc.

Project Manager: Amy Weinberg

Project Name: RCRA Groundwater Monitoring

Project Number: 680-206060-1

Reviewer: Jessica Alanis

Validation Date: 05 November 2021

Laboratory: Eurofins TestAmerica Savannah

SDG #: 680-206060-1

Analytical Method (type and no.): Metals (6010C), Mercury (7470A)

Matrix: ☐ Air ☐ Soil/Sed. ☒ Water ☐ Waste ☐ _____

Sample Names: MW-15

NOTE: Please provide calculation in Comment areas or on the back (if on the back please indicate in comment areas).

Field Information	YES	NO	NA	COMMENTS
a) Sampling dates noted?	☒	☐	☐	_____
b) Sampling team indicated?	☒	☐	☐	_____
c) Sample location noted?	☒	☐	☐	_____
d) Sample depth indicated (Soils)?	☐	☐	☒	_____
e) Sample type indicated (grab/composite)?	☒	☐	☐	_____
f) Field QC noted?	☒	☐	☐	<u>MS/MSD (@ MW-15)</u>
g) Field parameters collected (note types)?	☒	☐	☐	<u>Temp., pH, turbidity, sp. cond., DO, ORP</u>
h) Field Calibration within control limits?	☒	☐	☐	_____
i) Notations of unacceptable field conditions/performances from field logs or field notes?	☐	☒	☐	_____
j) Does the laboratory narrative indicate deficiencies?	☐	☒	☐	_____
Note Deficiencies: _____				

Chain-of-Custody (COC)	YES	NO	NA	COMMENTS
a) Was the COC properly completed?	☒	☐	☐	_____
b) Was the COC signed by both field and laboratory personnel?	☒	☐	☐	_____
c) Were samples received in good condition?	☒	☐	☐	_____

General (reference QAPP or Method)	YES	NO	NA	COMMENTS
a) Were hold times met for sample pretreatment?	☒	☐	☐	_____
b) Were hold times met for sample analysis?	☒	☐	☐	_____
c) Were the correct preservatives used?	☒	☐	☐	_____
d) Was the correct method used?	☒	☐	☐	_____
e) Were appropriate reporting limits achieved?	☒	☐	☐	_____
f) Were any sample dilutions noted?	☐	☒	☐	_____
g) Were any matrix problems noted?	☐	☒	☐	_____

QA LEVEL II - INORGANIC DATA EVALUATION CHECKLIST

Blanks	YES	NO	NA	COMMENTS
a) Were analytes detected in the method blank(s)?	☐	☒	☐	_____
b) Were analytes detected in the field blank(s)?	☐	☐	☒	_____
c) Were analytes detected in the equipment blank(s)?	☐	☐	☒	_____
d) Were analytes detected in the trip blank(s)?	☐	☐	☒	_____

Laboratory Control Sample (LCS)	YES	NO	NA	COMMENTS
a) Was a LCS analyzed once per SDG?	☒	☐	☐	_____
b) Were the proper compounds included in the LCS?	☒	☐	☐	_____
c) Was the LCS accuracy criteria met?	☒	☐	☐	_____

Duplicates	YES	NO	NA	COMMENTS
a) Were field duplicates collected (note original and duplicate sample names)?	☐	☒	☐	_____
b) Were field dup. precision criteria met (note RPD)?	☐	☐	☒	_____
c) Were lab duplicates analyzed (note original and duplicate samples)?	☐	☒	☐	_____
d) Were lab dup. precision criteria met (note RPD)?	☐	☐	☒	_____

Blind Standards	YES	NO	NA	COMMENTS
a) Was a blind standard used (indicate name, compounds included and concentrations)?	☐	☒	☐	_____
b) Was the %D within control limits?	☐	☐	☒	_____

Matrix Spike/Matrix Spike Duplicate (MS/MSD)	YES	NO	NA	COMMENTS
a) Was MS accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
b) Was MSD accuracy criteria met?	☒	☐	☐	_____
Recovery could not be calculated since sample contained high concentration of analyte?	☐	☒	☐	_____
c) Were MS/MSD precision criteria met?	☒	☐	☐	_____

Comments/Notes:
No data requires qualification.

Data Qualification:

Sample Name	Constituent(s)	Result	Qualifier	Reason

Signature: 

Date: 05 November 2021

ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

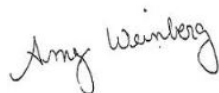
Laboratory Job ID: 680-206060-1

Client Project/Site: Anniston RCRA October 2021

For:

GSI Environmental, Inc
2211 Norfolk, Suite 1000
Houston, Texas 77098-4044

Attn: Ben Smith



Authorized for release by:
10/31/2021 3:14:33 PM

Amy Weinberg, Project Manager II
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Job ID: 680-206060-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-206060-1

Comments

No additional comments.

Receipt

The samples were received on 10/15/2021 10:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.9° C, 1.7° C, 2.0° C and 3.7° C.

GC/MS VOA

Method 8260B: The matrix spike and/or The matrix spike duplicate ran outside of the 12 hour tune window. The recoveries were acceptable. The data has been qualified and reported.

MW-15 MS (680-206060-2[MS]) and MW-15 MSD (680-206060-2[MSD])

Method 8260B: Reanalysis of the following sample was performed outside of the analytical holding time due to the sample injecting just outside the 12 hour tune window in the first run: MW-15 (680-206060-2).

Method 8260B: The following sample injected 11 minutes outside of the 12 hour tune window. The sample was rerun out of hold. Both sets of data have been reported. MW-15 (680-206060-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 4-Nitrophenol (-22.9%D) and o,o',o"-Triethylphosphorothioate (-20.4%D). These analytes may have a %D >20% but must be <50%. If >50%, a CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3510C: Due to the high density of the sample matrix (>1.0 g/mL), the initial volumes used for the following samples deviated from the standard procedure: MW-12A (680-206060-1). The reporting limits (RLs) have been adjusted proportionately preparation batch 280-554136. Method: 614/8141A/8141B

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-206060-1	MW-12A	Water	10/13/21 16:12	10/16/21 10:50
680-206060-2	MW-15	Water	10/13/21 18:02	10/16/21 10:50
680-206060-3	Tripblank 20211014	Water	10/14/21 00:00	10/16/21 10:50

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Detection Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Client Sample ID: MW-12A

Lab Sample ID: 680-206060-1

No Detections.

Client Sample ID: MW-15

Lab Sample ID: 680-206060-2

No Detections.

Client Sample ID: Tripblank 20211014

Lab Sample ID: 680-206060-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Client Sample ID: MW-12A

Lab Sample ID: 680-206060-1

Date Collected: 10/13/21 16:12

Matrix: Water

Date Received: 10/16/21 10:50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		10/19/21 18:40	10/22/21 22:07	1
o,o',o''-Triethylphosphorothioate	<10		10	0.99	ug/L		10/19/21 18:40	10/22/21 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		32 - 113				10/19/21 18:40	10/22/21 22:07	1
2-Fluorophenol	43		26 - 109				10/19/21 18:40	10/22/21 22:07	1
Nitrobenzene-d5	47		32 - 118				10/19/21 18:40	10/22/21 22:07	1
Phenol-d5	44		27 - 110				10/19/21 18:40	10/22/21 22:07	1
Terphenyl-d14	84		10 - 126				10/19/21 18:40	10/22/21 22:07	1
2,4,6-Tribromophenol	65		39 - 124				10/19/21 18:40	10/22/21 22:07	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.089	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1221	<0.50		0.50	0.093	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1232	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1242	<0.50		0.50	0.093	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1248	<0.50		0.50	0.10	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1254	<0.50		0.50	0.054	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1260	<0.50		0.50	0.059	ug/L		10/21/21 17:29	10/22/21 21:45	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 21:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	26	p	14 - 130				10/21/21 17:29	10/22/21 21:45	1
Tetrachloro-m-xylene	70		40 - 130				10/21/21 17:29	10/22/21 21:45	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/23/21 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	69		60 - 154				10/19/21 17:48	10/23/21 06:06	1

Client Sample ID: MW-15

Lab Sample ID: 680-206060-2

Date Collected: 10/13/21 18:02

Matrix: Water

Date Received: 10/16/21 10:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/26/21 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130					10/26/21 22:12	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 124					10/26/21 22:12	1
Dibromofluoromethane (Surr)	107		70 - 130					10/26/21 22:12	1
4-Bromofluorobenzene (Surr)	101		70 - 130					10/26/21 22:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0	H	1.0	0.15	ug/L			10/28/21 18:03	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Client Sample ID: MW-15

Lab Sample ID: 680-206060-2

Date Collected: 10/13/21 18:02

Matrix: Water

Date Received: 10/16/21 10:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		70 - 130		10/28/21 18:03	1
1,2-Dichloroethane-d4 (Surr)	107		60 - 124		10/28/21 18:03	1
Dibromofluoromethane (Surr)	104		70 - 130		10/28/21 18:03	1
4-Bromofluorobenzene (Surr)	104		70 - 130		10/28/21 18:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		10/19/21 18:40	10/22/21 22:30	1
o,o',o''-Triethylphosphorothioate	<10		10	1.0	ug/L		10/19/21 18:40	10/22/21 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	62		32 - 113	10/19/21 18:40	10/22/21 22:30	1
2-Fluorophenol	47		26 - 109	10/19/21 18:40	10/22/21 22:30	1
Nitrobenzene-d5	47		32 - 118	10/19/21 18:40	10/22/21 22:30	1
Phenol-d5	48		27 - 110	10/19/21 18:40	10/22/21 22:30	1
Terphenyl-d14	85		10 - 126	10/19/21 18:40	10/22/21 22:30	1
2,4,6-Tribromophenol	75		39 - 124	10/19/21 18:40	10/22/21 22:30	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.092	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1221	<0.50		0.50	0.097	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1232	<0.50		0.50	0.13	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1242	<0.50		0.50	0.097	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1248	<0.50		0.50	0.11	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1254	<0.50		0.50	0.056	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1260	<0.50		0.50	0.061	ug/L		10/21/21 17:29	10/22/21 22:04	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	32	p	14 - 130	10/21/21 17:29	10/22/21 22:04	1
Tetrachloro-m-xylene	59		40 - 130	10/21/21 17:29	10/22/21 22:04	1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/23/21 06:45	1
Sulfotepp	<1.5		1.5	0.17	ug/L		10/19/21 17:48	10/23/21 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	70		60 - 154	10/19/21 17:48	10/23/21 06:45	1

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/18/21 15:50	10/20/21 02:36	1

Client Sample ID: Tripblank 20211014

Lab Sample ID: 680-206060-3

Date Collected: 10/14/21 00:00

Matrix: Water

Date Received: 10/16/21 10:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/27/21 14:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Client Sample ID: Tripblank 20211014

Lab Sample ID: 680-206060-3

Date Collected: 10/14/21 00:00

Matrix: Water

Date Received: 10/16/21 10:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	129		70 - 130		10/27/21 14:22	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	108		60 - 124		10/27/21 14:22	1
<i>Dibromofluoromethane (Surr)</i>	117		70 - 130		10/27/21 14:22	1
<i>4-Bromofluorobenzene (Surr)</i>	77		70 - 130		10/27/21 14:22	1

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DCA (60-124)	DBFM (70-130)	BFB (70-130)
680-206060-2	MW-15	112	106	107	101
680-206060-2 - RA	MW-15	108	107	104	104
680-206060-2 MS	MW-15 MS	104	101	102	105
680-206060-2 MSD	MW-15 MSD	105	95	102	107
680-206060-3	Tripblank 20211014	129	108	117	77
LCS 680-691201/7	Lab Control Sample	106	101	105	112
LCS 680-691429/4	Lab Control Sample	99	103	109	100
LCS 680-691620/4	Lab Control Sample	101	100	110	100
LCSD 680-691201/8	Lab Control Sample Dup	102	97	109	108
LCSD 680-691429/5	Lab Control Sample Dup	99	103	111	104
LCSD 680-691620/5	Lab Control Sample Dup	103	103	114	106
MB 680-691201/12	Method Blank	109	99	98	102
MB 680-691429/9	Method Blank	106	93	103	102
MB 680-691620/9	Method Blank	106	101	97	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (32-113)	2FP (26-109)	NBZ (32-118)	PHL (27-110)	TPHL (10-126)	TBP (39-124)
680-206060-1	MW-12A	56	43	47	44	84	65
680-206060-2	MW-15	62	47	47	48	85	75
680-206060-2 MS	MW-15 MS	81	50	61	52	56	84
680-206060-2 MS	MW-15 MS	76	58	62	62	82	74
680-206060-2 MSD	MW-15 MSD	81	45	59	50	70	92
680-206060-2 MSD	MW-15 MSD	66	52	62	54	97	91
LCS 680-689960/12-B	Lab Control Sample	79	60	67	57	71	75
LCS 680-689960/15-B	Lab Control Sample	108	52	71	53	75	104
MB 680-689960/11-B	Method Blank	83	58	66	54	82	97

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1 (14-130)	TCX1 (40-130)
680-206060-1	MW-12A	26 p	70
680-206060-2	MW-15	32 p	59
680-206060-2 MS	MW-15 MS	31 p	58
680-206060-2 MSD	MW-15 MSD	33 p	53
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2 (14-130)	TCX1 (40-130)
LCS 680-690385/10-A	Lab Control Sample	74	58
MB 680-690385/7-A	Method Blank	78	61
Surrogate Legend			
DCBP = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column

Technique

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TPP1 (60-154)	TPP2 (60-154)
680-206060-1	MW-12A	69	
680-206060-2	MW-15	70	
680-206060-2 MS	MW-15 MS	75	
680-206060-2 MSD	MW-15 MSD	80	
LCS 280-554136/2-A	Lab Control Sample	79	77
MB 280-554136/1-A	Method Blank	79	76
Surrogate Legend			
TPP = Triphenylphosphate			

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-691201/12

Matrix: Water

Analysis Batch: 691201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/26/21 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130					10/26/21 14:24	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124					10/26/21 14:24	1
Dibromofluoromethane (Surr)	98		70 - 130					10/26/21 14:24	1
4-Bromofluorobenzene (Surr)	102		70 - 130					10/26/21 14:24	1

Lab Sample ID: LCS 680-691201/7

Matrix: Water

Analysis Batch: 691201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	49.5		ug/L		99	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
Toluene-d8 (Surr)	106		70 - 130				
1,2-Dichloroethane-d4 (Surr)	101		60 - 124				
Dibromofluoromethane (Surr)	105		70 - 130				
4-Bromofluorobenzene (Surr)	112		70 - 130				

Lab Sample ID: LCSD 680-691201/8

Matrix: Water

Analysis Batch: 691201

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chlorobenzene	50.0	48.2		ug/L		96	70 - 130	3	30
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	102		70 - 130						
1,2-Dichloroethane-d4 (Surr)	97		60 - 124						
Dibromofluoromethane (Surr)	109		70 - 130						
4-Bromofluorobenzene (Surr)	108		70 - 130						

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 691201

Client Sample ID: MW-15 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	<1.0		50.0	50.1		ug/L		100	70 - 130
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	104		70 - 130						
1,2-Dichloroethane-d4 (Surr)	101		60 - 124						
Dibromofluoromethane (Surr)	102		70 - 130						
4-Bromofluorobenzene (Surr)	105		70 - 130						

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 691201

Client Sample ID: MW-15 MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	<1.0		50.0	48.5		ug/L		97	70 - 130	3	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	105		70 - 130								
1,2-Dichloroethane-d4 (Surr)	95		60 - 124								
Dibromofluoromethane (Surr)	102		70 - 130								
4-Bromofluorobenzene (Surr)	107		70 - 130								

Lab Sample ID: MB 680-691429/9

Matrix: Water

Analysis Batch: 691429

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/27/21 13:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		70 - 130					10/27/21 13:15	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124					10/27/21 13:15	1
Dibromofluoromethane (Surr)	103		70 - 130					10/27/21 13:15	1
4-Bromofluorobenzene (Surr)	102		70 - 130					10/27/21 13:15	1

Lab Sample ID: LCS 680-691429/4

Matrix: Water

Analysis Batch: 691429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	47.1		ug/L		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		70 - 130				
1,2-Dichloroethane-d4 (Surr)	103		60 - 124				
Dibromofluoromethane (Surr)	109		70 - 130				
4-Bromofluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 680-691429/5

Matrix: Water

Analysis Batch: 691429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	47.7		ug/L		95	70 - 130	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	99		70 - 130						
1,2-Dichloroethane-d4 (Surr)	103		60 - 124						
Dibromofluoromethane (Surr)	111		70 - 130						
4-Bromofluorobenzene (Surr)	104		70 - 130						

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-691620/9

Matrix: Water

Analysis Batch: 691620

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<1.0		1.0	0.15	ug/L			10/28/21 13:15	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		70 - 130					10/28/21 13:15	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124					10/28/21 13:15	1
Dibromofluoromethane (Surr)	97		70 - 130					10/28/21 13:15	1
4-Bromofluorobenzene (Surr)	100		70 - 130					10/28/21 13:15	1

Lab Sample ID: LCS 680-691620/4

Matrix: Water

Analysis Batch: 691620

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	49.4		ug/L		99	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	101		70 - 130				
1,2-Dichloroethane-d4 (Surr)	100		60 - 124				
Dibromofluoromethane (Surr)	110		70 - 130				
4-Bromofluorobenzene (Surr)	100		70 - 130				

Lab Sample ID: LCSD 680-691620/5

Matrix: Water

Analysis Batch: 691620

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	50.4		ug/L		101	70 - 130	2	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	103		70 - 130						
1,2-Dichloroethane-d4 (Surr)	103		60 - 124						
Dibromofluoromethane (Surr)	114		70 - 130						
4-Bromofluorobenzene (Surr)	106		70 - 130						

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-689960/11-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<25		25	1.9	ug/L		10/19/21 18:40	10/22/21 17:47	1
o,o',o"-Triethylphosphorothioate	<10		10	1.0	ug/L		10/19/21 18:40	10/22/21 17:47	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		32 - 113				10/19/21 18:40	10/22/21 17:47	1
2-Fluorophenol	58		26 - 109				10/19/21 18:40	10/22/21 17:47	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-689960/11-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 689960

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		32 - 118	10/19/21 18:40	10/22/21 17:47	1
Phenol-d5	54		27 - 110	10/19/21 18:40	10/22/21 17:47	1
Terphenyl-d14	82		10 - 126	10/19/21 18:40	10/22/21 17:47	1
2,4,6-Tribromophenol	97		39 - 124	10/19/21 18:40	10/22/21 17:47	1

Lab Sample ID: LCS 680-689960/12-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	200	146		ug/L		73	44 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	79		32 - 113
2-Fluorophenol	60		26 - 109
Nitrobenzene-d5	67		32 - 118
Phenol-d5	57		27 - 110
Terphenyl-d14	71		10 - 126
2,4,6-Tribromophenol	75		39 - 124

Lab Sample ID: LCS 680-689960/15-B

Matrix: Water

Analysis Batch: 690697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	100	88.9		ug/L		89	23 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	108		32 - 113
2-Fluorophenol	52		26 - 109
Nitrobenzene-d5	71		32 - 118
Phenol-d5	53		27 - 110
Terphenyl-d14	75		10 - 126
2,4,6-Tribromophenol	104		39 - 124

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 690697

Client Sample ID: MW-15 MS

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol	<25		191	121		ug/L		64	44 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	81		32 - 113
2-Fluorophenol	50		26 - 109
Nitrobenzene-d5	61		32 - 118
Phenol-d5	52		27 - 110

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 690697

Client Sample ID: MW-15 MS

Prep Type: Total/NA

Prep Batch: 689960

	MS %Recovery	MS Qualifier	Limits
Surrogate			
Terphenyl-d14	56		10 - 126
2,4,6-Tribromophenol	84		39 - 124

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 690697

Client Sample ID: MW-15 MS

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o,o',o"-Triethylphosphorothioate	<10		99.6	88.1		ug/L		88	23 - 130

	MS %Recovery	MS Qualifier	Limits
Surrogate			
2-Fluorobiphenyl	76		32 - 113
2-Fluorophenol	58		26 - 109
Nitrobenzene-d5	62		32 - 118
Phenol-d5	62		27 - 110
Terphenyl-d14	82		10 - 126
2,4,6-Tribromophenol	74		39 - 124

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 690697

Client Sample ID: MW-15 MSD

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitrophenol	<25		205	143		ug/L		70	44 - 130	16	50

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
2-Fluorobiphenyl	81		32 - 113
2-Fluorophenol	45		26 - 109
Nitrobenzene-d5	59		32 - 118
Phenol-d5	50		27 - 110
Terphenyl-d14	70		10 - 126
2,4,6-Tribromophenol	92		39 - 124

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 690697

Client Sample ID: MW-15 MSD

Prep Type: Total/NA

Prep Batch: 689960

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o,o',o"-Triethylphosphorothioate	<10		99.3	80.7		ug/L		81	23 - 130	9	50

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
2-Fluorobiphenyl	66		32 - 113
2-Fluorophenol	52		26 - 109
Nitrobenzene-d5	62		32 - 118
Phenol-d5	54		27 - 110
Terphenyl-d14	97		10 - 126
2,4,6-Tribromophenol	91		39 - 124

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas

Chromatography

Lab Sample ID: MB 680-690385/7-A

Matrix: Water

Analysis Batch: 690661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 690385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.50		0.50	0.090	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1221	<0.50		0.50	0.095	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1232	<0.50		0.50	0.13	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1242	<0.50		0.50	0.095	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1248	<0.50		0.50	0.11	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1254	<0.50		0.50	0.055	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1260	<0.50		0.50	0.060	ug/L		10/21/21 17:29	10/22/21 19:02	1
PCB-1268	<0.50		0.50	0.12	ug/L		10/21/21 17:29	10/22/21 19:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		14 - 130				10/21/21 17:29	10/22/21 19:02	1
Tetrachloro-m-xylene	61		40 - 130				10/21/21 17:29	10/22/21 19:02	1

Lab Sample ID: LCS 680-690385/10-A

Matrix: Water

Analysis Batch: 690661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 690385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	3.00	2.03		ug/L		68	44 - 130
PCB-1260	3.00	2.75		ug/L		92	35 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	74		14 - 130				
Tetrachloro-m-xylene	58		40 - 130				

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 690661

Client Sample ID: MW-15 MS

Prep Type: Total/NA

Prep Batch: 690385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.50		3.01	2.08		ug/L		69	44 - 130
PCB-1260	<0.50		3.01	3.37		ug/L		112	35 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
DCB Decachlorobiphenyl	31	p	14 - 130						
Tetrachloro-m-xylene	58		40 - 130						

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 690661

Client Sample ID: MW-15 MSD

Prep Type: Total/NA

Prep Batch: 690385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<0.50		3.04	2.05		ug/L		67	44 - 130	1	50
PCB-1260	<0.50		3.04	2.26	p	ug/L		74	35 - 130	39	50

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 690661

Client Sample ID: MW-15 MSD

Prep Type: Total/NA

Prep Batch: 690385

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	33	p	14 - 130
Tetrachloro-m-xylene	53		40 - 130

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-554136/1-A

Matrix: Water

Analysis Batch: 554549

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 554136

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 01:43	1
Parathion	<1.0		1.0	0.14	ug/L		10/19/21 17:48	10/22/21 01:43	1
Sulfotepp	<1.5		1.5	0.17	ug/L		10/19/21 17:48	10/22/21 01:43	1
Sulfotepp	<1.5		1.5	0.17	ug/L		10/19/21 17:48	10/22/21 01:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Triphenylphosphate	79		60 - 154	10/19/21 17:48	10/22/21 01:43	1
Triphenylphosphate	76		60 - 154	10/19/21 17:48	10/22/21 01:43	1

Lab Sample ID: LCS 280-554136/2-A

Matrix: Water

Analysis Batch: 554549

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 554136

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Parathion	4.00	2.89		ug/L		72	55 - 107
Parathion	4.00	2.83		ug/L		71	55 - 107
Sulfotepp	4.00	2.85		ug/L		71	53 - 110
Sulfotepp	4.00	2.89		ug/L		72	53 - 110

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Triphenylphosphate	79		60 - 154
Triphenylphosphate	77		60 - 154

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 554718

Client Sample ID: MW-15 MS

Prep Type: Total/NA

Prep Batch: 554136

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Parathion	<1.0		3.86	2.71		ug/L		70	55 - 107
Sulfotepp	<1.5		3.86	2.85		ug/L		74	53 - 110

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Triphenylphosphate	75		60 - 154

Eurofins TestAmerica, Savannah

QC Sample Results

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 554718

Client Sample ID: MW-15 MSD

Prep Type: Total/NA

Prep Batch: 554136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Parathion	<1.0		3.97	2.99		ug/L		75	55 - 107	10	20
Sulfotepp	<1.5		3.97	2.76		ug/L		70	53 - 110	3	27
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Triphenylphosphate	80		60 - 154								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-689820/1-A

Matrix: Water

Analysis Batch: 690133

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 689820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.010		0.010	0.0010	mg/L		10/18/21 15:50	10/20/21 02:27	1

Lab Sample ID: LCS 680-689820/2-A

Matrix: Water

Analysis Batch: 690133

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 689820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.0500	0.0490		mg/L		98	80 - 120

Lab Sample ID: 680-206060-2 MS

Matrix: Water

Analysis Batch: 690133

Client Sample ID: MW-15 MS

Prep Type: Total Recoverable

Prep Batch: 689820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	<0.010		0.0500	0.0479		mg/L		96	75 - 125

Lab Sample ID: 680-206060-2 MSD

Matrix: Water

Analysis Batch: 690133

Client Sample ID: MW-15 MSD

Prep Type: Total Recoverable

Prep Batch: 689820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt	<0.010		0.0500	0.0463		mg/L		93	75 - 125	3	20

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

GC/MS VOA

Analysis Batch: 691201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-2	MW-15	Total/NA	Water	8260B	
MB 680-691201/12	Method Blank	Total/NA	Water	8260B	
LCS 680-691201/7	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-691201/8	Lab Control Sample Dup	Total/NA	Water	8260B	
680-206060-2 MS	MW-15 MS	Total/NA	Water	8260B	
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	8260B	

Analysis Batch: 691429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-3	Tripblank 20211014	Total/NA	Water	8260B	
MB 680-691429/9	Method Blank	Total/NA	Water	8260B	
LCS 680-691429/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-691429/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 691620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-2 - RA	MW-15	Total/NA	Water	8260B	
MB 680-691620/9	Method Blank	Total/NA	Water	8260B	
LCS 680-691620/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-691620/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 689960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-1	MW-12A	Total/NA	Water	3520C	
680-206060-2	MW-15	Total/NA	Water	3520C	
MB 680-689960/11-B	Method Blank	Total/NA	Water	3520C	
LCS 680-689960/12-B	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-689960/15-B	Lab Control Sample	Total/NA	Water	3520C	
680-206060-2 MS	MW-15 MS	Total/NA	Water	3520C	
680-206060-2 MS	MW-15 MS	Total/NA	Water	3520C	
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	3520C	
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	3520C	

Analysis Batch: 690697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-1	MW-12A	Total/NA	Water	8270D	689960
680-206060-2	MW-15	Total/NA	Water	8270D	689960
MB 680-689960/11-B	Method Blank	Total/NA	Water	8270D	689960
LCS 680-689960/12-B	Lab Control Sample	Total/NA	Water	8270D	689960
LCSD 680-689960/15-B	Lab Control Sample	Total/NA	Water	8270D	689960
680-206060-2 MS	MW-15 MS	Total/NA	Water	8270D	689960
680-206060-2 MS	MW-15 MS	Total/NA	Water	8270D	689960
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	8270D	689960
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	8270D	689960

GC Semi VOA

Prep Batch: 554136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-1	MW-12A	Total/NA	Water	3510C	

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

GC Semi VOA (Continued)

Prep Batch: 554136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-2	MW-15	Total/NA	Water	3510C	
MB 280-554136/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-554136/2-A	Lab Control Sample	Total/NA	Water	3510C	
680-206060-2 MS	MW-15 MS	Total/NA	Water	3510C	
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	3510C	

Analysis Batch: 554549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 280-554136/1-A	Method Blank	Total/NA	Water	8141B	554136
LCS 280-554136/2-A	Lab Control Sample	Total/NA	Water	8141B	554136

Analysis Batch: 554718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-1	MW-12A	Total/NA	Water	8141B	554136
680-206060-2	MW-15	Total/NA	Water	8141B	554136
680-206060-2 MS	MW-15 MS	Total/NA	Water	8141B	554136
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	8141B	554136

Prep Batch: 690385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-1	MW-12A	Total/NA	Water	3520C	
680-206060-2	MW-15	Total/NA	Water	3520C	
MB 680-690385/7-A	Method Blank	Total/NA	Water	3520C	
LCS 680-690385/10-A	Lab Control Sample	Total/NA	Water	3520C	
680-206060-2 MS	MW-15 MS	Total/NA	Water	3520C	
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	3520C	

Analysis Batch: 690661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-1	MW-12A	Total/NA	Water	8081B/8082A	690385
680-206060-2	MW-15	Total/NA	Water	8081B/8082A	690385
MB 680-690385/7-A	Method Blank	Total/NA	Water	8081B/8082A	690385
LCS 680-690385/10-A	Lab Control Sample	Total/NA	Water	8081B/8082A	690385
680-206060-2 MS	MW-15 MS	Total/NA	Water	8081B/8082A	690385
680-206060-2 MSD	MW-15 MSD	Total/NA	Water	8081B/8082A	690385

Metals

Prep Batch: 689820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-2	MW-15	Total Recoverable	Water	3005A	
MB 680-689820/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-689820/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-206060-2 MS	MW-15 MS	Total Recoverable	Water	3005A	
680-206060-2 MSD	MW-15 MSD	Total Recoverable	Water	3005A	

Analysis Batch: 690133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-2	MW-15	Total Recoverable	Water	6010C	689820
MB 680-689820/1-A	Method Blank	Total Recoverable	Water	6010C	689820
LCS 680-689820/2-A	Lab Control Sample	Total Recoverable	Water	6010C	689820

Eurofins TestAmerica, Savannah

QC Association Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Metals (Continued)

Analysis Batch: 690133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-206060-2 MS	MW-15 MS	Total Recoverable	Water	6010C	689820
680-206060-2 MSD	MW-15 MSD	Total Recoverable	Water	6010C	689820

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Lab Chronicle

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Client Sample ID: MW-12A

Lab Sample ID: 680-206060-1

Date Collected: 10/13/21 16:12

Matrix: Water

Date Received: 10/16/21 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1006.5 mL	1 mL	689960	10/19/21 18:40	IR	TAL SAV
Total/NA	Analysis	8270D		1			690697	10/22/21 22:07	T1C	TAL SAV
Instrument ID: CMSE										
Total/NA	Prep	3520C			1016.7 mL	5 mL	690385	10/21/21 17:29	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			690661	10/22/21 21:45	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1045.3 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554718	10/23/21 06:06	MB	TAL DEN
Instrument ID: SGC_D2										

Client Sample ID: MW-15

Lab Sample ID: 680-206060-2

Date Collected: 10/13/21 18:02

Matrix: Water

Date Received: 10/16/21 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	691201	10/26/21 22:12	P1C	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	691620	10/28/21 18:03	P1C	TAL SAV
Instrument ID: CMSAB										
Total/NA	Prep	3520C			974.7 mL	1 mL	689960	10/19/21 18:40	IR	TAL SAV
Total/NA	Analysis	8270D		1			690697	10/22/21 22:30	T1C	TAL SAV
Instrument ID: CMSE										
Total/NA	Prep	3520C			977 mL	5 mL	690385	10/21/21 17:29	IR	TAL SAV
Total/NA	Analysis	8081B/8082A		1			690661	10/22/21 22:04	JCK	TAL SAV
Instrument ID: CSGJ										
Total/NA	Prep	3510C			1007.5 mL	2 mL	554136	10/19/21 17:48	SKS	TAL DEN
Total/NA	Analysis	8141B		1			554718	10/23/21 06:45	MB	TAL DEN
Instrument ID: SGC_D2										
Total Recoverable	Prep	3005A			50 mL	50 mL	689820	10/18/21 15:50	JE	TAL SAV
Total Recoverable	Analysis	6010C		1			690133	10/20/21 02:36	BCB	TAL SAV
Instrument ID: ICPE										

Client Sample ID: Tripblank 20211014

Lab Sample ID: 680-206060-3

Date Collected: 10/14/21 00:00

Matrix: Water

Date Received: 10/16/21 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	691429	10/27/21 14:22	P1C	TAL SAV
Instrument ID: CMSAB										

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah

Accreditation/Certification Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-22

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	11-02-21
A2LA	ISO/IEC 17025	2907.01	11-02-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21 *
California	State	2513	01-08-22
Connecticut	State	PH-0686	09-30-22
Florida	NELAP	E87667-57	06-30-22
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-22
Iowa	State	IA#370	12-02-22
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-22
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-22
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	07-01-22
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21 *
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-22
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-21-19	10-01-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21 *
Virginia	NELAP	10490	06-14-22
Washington	State	C583-19	08-03-22
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-22
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Savannah

Method Summary

Client: GSI Environmental, Inc
Project/Site: Anniston RCRA October 2021

Job ID: 680-206060-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8141B	Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

[illegible]

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-206060-1

Login Number: 206060

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GSI Environmental, Inc

Job Number: 680-206060-1

Login Number: 206060

List Number: 2

Creator: O'Hara, Jake F

List Source: Eurofins TestAmerica, Denver

List Creation: 10/19/21 01:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	