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22 November 2024

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Subject: Third Quarter 2024 Groundwater Monitoring Report
Former Thermal Treatment Unit
Nammo Defense Systems Inc.
Mesa, Arizona

Geosyntec Consultants, Inc. (Geosyntec) has prepared this *Third Quarter 2024 Groundwater Monitoring Report* (Report) on behalf of Nammo Defense Systems Inc. (NDS) to document the field activities and findings for sampling wells during the third quarter (3Q) of 2024 for the former Thermal Treatment Unit (TTU) at the NDS facility in Mesa, Arizona (the Site; Figure 1). This work was performed in general accordance with the most current Sampling and Analysis Plan (SAP)[1] and Quality Assurance Project Plan (QAPP)[2]. Deviations from the project documents listed above are provided in subsequent sections.

SCOPE OF ACTIVITIES

Field sampling activities, including well sampling and depth-to-water measurements, for the 3Q event were performed on 27 and 28 August 2024. Depth-to-water measurements were taken from 24 wells and samples were collected from 25 wells. Locations and construction details for all wells are provided in Table 1.

[1] Pinyon, 2022. *Groundwater Sampling and Analysis Plan*, Former Thermal Treatment Unit, Nammo Defense Systems Inc., Mesa, Arizona. 28 September.
[2] Geosyntec, 2024. *Quality Assurance Project Plan*, Nammo Defense Systems Inc. Facility, Mesa, Arizona. 1 February.

Groundwater Elevation Measurement

Depth-to-water measurements for the groundwater sampling event were taken from the wells indicated in Table 2 using a Site dedicated electric water level meter. Depth to groundwater was measured to the nearest 0.01 foot from the top of the well casing (north side). Prior to the first use, and in between uses, the electric water level meter was decontaminated with a solution of Alconox and distilled water followed by two rinses with distilled water.

A depth to water measurement was not collected from primate facility well PF-2 due an inaccessible sounding tube. Depth to groundwater measurements are recorded both on the field records in Attachment 1 and in Table 2.

Groundwater Sampling

Groundwater samples were collected from monitor wells using single-use HydraSleeve samplers. Samplers were suspended inside the well within the screened interval at the depths indicated on well sampling records (Attachment 1). Samplers were set at least 24 hours in advance of sampling.

Samples from TTU extraction wells TTU-1, TTU-2, and TTU-20 and Primate Facility well PF-2 were collected at the closest operational spigot/outlet from the well during pumping. Each well was purged for approximately 15-minutes minimum and until groundwater quality measurements were stable. These readings are documented on field forms included in Attachment 1. Samples were collected after the 15-minute stabilization period.

A portion of each sample was used to fill laboratory-provided batch-certified sample containers. The remainder of the sample was used to measure field water quality parameters. A YSI Pro DSS water quality meter was used to measure temperature, specific conductivity, oxidation-reduction potential, dissolved oxygen, and pH. Field measured parameters are recorded on the field forms in Attachment 1.

Groundwater samples were collected and preserved as necessary for laboratory analysis of volatile organic compounds (VOCs) by USEPA Method 8260B, 1,4-dioxane by USEPA Method 8260B SIM, and perchlorate by USEPA Method 314.0M. An additional perchlorate sample was collected on 27 August 2024 from the Primate Facility well PF-2 and preserved as necessary to be analyzed for perchlorate using a lower laboratory

reporting limit designed for drinking water samples and analyzed by USEPA Method 314.0. A trip blank for every cooler containing samples for VOC analysis was submitted for VOC analysis by USEPA 8260B. Each sample was labeled, placed in a bubble-wrap bag, and stored in a cooler on wet ice for transport under standard chain-of-custody protocol to Pace Analytical, an Arizona Department of Health Services (ADHS) certified laboratory (#AZ0612). The perchlorate sample from PF-2 was transported to Eurofins Phoenix, an ADHS certified laboratory (#AZ0728).

Investigation Derived Waste

Investigation derived waste (IDW) consisting of remaining groundwater from the HydraSleeve after sample collection was containerized in a 5-gallon bucket before disposal at the current TTU evaporator treatment unit at Plant No. 2. Wells TTU-1, TTU-2 and TTU-20 are active extraction wells. Purged water from sampling for each well was containerized onsite in dedicated storage tanks before removal and treatment onsite by NDS at the current TTU evaporator treatment unit at Plant No. 2. Purged water from PF-2 was land applied in a vicinity of the well, as indicated in the SAP. Inert waste comprising of used PPE and disposable equipment were double bagged and disposed of as municipal waste in NDS trash receptacles.

Deviations from SAP and QAPP

This work was conducted in accordance with the SAP and QAPP. Deviations and descriptions of atypical conditions encountered are listed below:

- A depth to water measurement was unable to be collected in Primate Facility well PF-2 due to an inaccessible sounding tube.

There were no other deviations from the SAP or QAPP.

GROUNDWATER MONITORING RESULTS

A summary of the results of the groundwater monitoring program is provided in the following sections. Tables include the TTU Groundwater Well Network (Table 1), the 3Q groundwater elevations (Table 2), 3Q perchlorate sample results (Table 3), 3Q VOC sample results (Table 4), and historical results for perchlorate, 1,4-dioxane and trichloroethene (Table 5). Figures provided include a site location map (Figure 1), groundwater elevation and contours (Figure 2), perchlorate isoconcentration contours (Figure 3), 1,4-dioxane isoconcentration contours (Figure 4), 1,1-dichloroethene

isoconcentration contours (Figure 5), trichloroethene isoconcentration contours (Figure 6), and concentration of other detected VOCs (Figure 7). Attachment 2 includes Mann-Kendall trend plots for all well locations which illustrate changes in concentrations of 1,1-dichloroethene, 1,4-dioxane, perchlorate, and trichloroethene alongside the groundwater elevation. Mann Kendall trends were evaluated over the historic and recent time periods. Historic trends were defined as all results available since monitoring began at each location, approximately 2015 for most locations. Recent trends were defined as trends from the previous two years of sampling data, since August 2022.

Groundwater Elevations and Apparent Flow Direction

Groundwater elevations measured during the 3Q sampling event range from 1,136.55 feet above mean sea level (ft asml) in TTU-10 to 1,314.36 ft asml in TTU-15. Apparent groundwater flow is in a westerly direction with a gradient of approximately 0.127 feet per foot. The apparent flow direction and gradient are generally consistent with prior monitoring events.

Groundwater Laboratory Results

Groundwater laboratory results for perchlorate and VOCs were compared against the screening levels listed in the SAP[1], also listed in Tables 3, 4, and 5. Perchlorate was detected above the screening level of 14 micrograms per liter (µg/L) in well locations TTU-1 through TTU-3, TTU-5, TTU-6, TTU-12 through TTU-17, TTU-19, TTU-20, and TTU-EX-1 through TTU-EX-4. The highest detected concentration during the third quarter was 692,000 µg/L at TTU-16.

Mann-Kendall trend analysis was performed for recent (since August 2022) and historic perchlorate results (Attachment 2). Recent trends may differ from historical trends. The results of analysis indicate the following historical trends in concentrations of perchlorate:

- Increasing or probably increasing in wells TTU-5, TTU-15, TTU-17, and TTU-EX-3;
- Decreasing or probably decreasing in wells, TTU-1, TTU-2, TTU-3, TTU-7, TTU-8, TTU-11, TTU-13, TTU-14, TTU-19, and TTU-EX-1; and,
- Stable or no trend in wells TTU-4, TTU-6, TTU-9A, TTU-10, TTU-12, TTU-16, TTU-20, TTU-EX-2, TTU-EX-4, TTU-EX-5, and PF-2.

VOCs were detected at well locations TTU-1 through TTU-3, TTU-5, TTU-7, TTU-11 through TTU-17, TTU-19, TTU-20, and TTU-EX-1 through TTU-EX-5. VOC concentrations that exceeded the applicable Arizona Aquifer Water Quality Standards (AWQS) or SAP screening levels included 1,4-dioxane,1,1-dichloroethene (1,1-DCE), benzene, cis-1,2-dichlorethene, dichloromethane, and trichloroethene (TCE).

A summary of VOC detections above the AWQS is provided below:

- An AWQS for 1,4-dioxane has not been established. 1,4-Dioxane was detected above the SAP screening level of 5 µg/L in TTU-1, TTU-2, TTU-3, TTU-5, TTU-12 through TTU-17, TTU-19, TTU-20, and TTU-EX-1 through TTU-EX-4. The highest detected 1,4-dioxane concentration was 2,640 µg/L in source area well TTU-16;
- Concentrations of 1,1-DCE were detected above the AWQS of 7 µg/L in TTU-1, TTU-2, TTU-12, TTU-14, TTU-19, TTU-20, and TTU-EX-1 through TTU-EX-4. The highest detected 1,1-DCE concentration encountered during the reporting period was 905 µg/L in TTU-EX-3;
- Concentrations of benzene were detected above the AWQS of 5 µg/L in TTU-20 at a concentration of 5.26 µg/L;
- Concentrations of cis-1,2-dichloroethene were detected above the AWQS of 70 µg/L in TTU-19 at a concentration of 158 µg/L;
- Concentrations of dichloromethane were detected above the AWQS of 5 µg/L in TTU-16. at a concentration of 19,200 µg/L;
- Concentrations of TCE were detected above the AWQS of 5 µg/L in TTU-1, TTU-2, TTU-11 through TTU-14, TTU-16, TTU-19, TTU-20, and TTU-EX-1 through TTU-EX-4. The highest detected TCE concentration encountered during the reporting period was 33,200 µg/L in TTU-16;

Other detected VOCs that either did not exceed their respective AWQS or an AWQS has not been established included 1,1,2-trichloroethane, 1,1-dichloroethane, 1,2-dichloroethane, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), acetone, chloroform, propene, and PCE. There were no other detected VOCs.

Mann-Kendall trend analysis was performed for recent (since August 2022) and historic results of 1,4-dioxane, 1,1-dichloroethene, and TCE (Attachment 2). Recent trends may

differ from historical trends. The results of analysis indicate the following historical trends:

- 1,4-Dioxane:
  - Increasing or probably increasing concentrations of 1,4-dioxane in wells TTU-2, TTU-3, TTU-5, TTU-7, TTU-12, TTU-15,TTU-17, and TTU-EX-5;
  - Decreasing concentrations of 1,4-dioxane in wells TTU-11 and TTU-14;
  - Stable or no trend in 1,4-dioxane concentrations in wells TTU-1, TTU-4, TTU-6, TTU-8, TTU-9A, TTU-10, TTU-13, TTU-16, TTU-19, TTU-20, TTU-EX-1 through TTU-EX-4, and PF-2.

- 1,1-DCE:
  - Increasing concentrations of 1,1-DCE in wells TTU-2 and TTU-15;
  - Decreasing concentrations of 1,1-DCE in wells TTU-1, TTU-3, TTU-11, TTU-13, TTU-16, TTU-19, and TTU-EX-2; and
  - Stable or no trend in 1,1-DCE concentrations in wells TTU-4 through TTU-10, TTU-12, TTU-14, TTU-17, TTU-20, TTU-EX-1, TTU-EX-3 through TTU-EX-5, and PF-2.
- TCE:
  - Increasing or probably increasing concentrations of TCE in wells TTU-2, TTU-12, and TTU-EX-3;
  - Decreasing or probably decreasing concentrations of TCE in wells TTU-3, TTU-11, TTU-13, TTU-16, TTU-17, TTU-19, and TTU-EX-5;
  - Stable or no trend in concentrations of TCE concentrations in wells TTU-1, TTU-4 through TTU-10,TTU-14, TTU-15, TTU-20, TTU-EX-1, TTU-EX-2, TTU-EX-4, and PF-2.

Comparison of Groundwater Results to Action Levels

Included in the SAP, are concentration limits (CL) and trigger levels (TL) for Washington National Primate Research Center well PF-2. These are defined as:

- CL - The concentration of a contaminant of concern that cannot be exceeded at PF-2.
- TL - The concentration at which a contaminant of concern detected at PF-2 will trigger a contingency response.

TLs for PF-2 are identified as:

- Perchlorate - 3.2 µg/L, which is 50% of the CL;
- VOCs - half the concentration of AWQSs;
- 1,4-Dioxane - 3.5 µg/L based on the USEPA drinking water health advisory (USEPA, 2018)[3]

Results from the Washington National Primate Research Center well PF-2, located on Salt River Pima-Maricopa Indian Community (SRPMIC) property, did not exceed the site-specific perchlorate CL of 6.4 µg/L or the TL of 3.2 µg/L.

Also included in the SAP, are CL and TL for TTU-6. TLs for TTU-6 are similar to well PF-2 and are identified as:

- VOCs - half the concentration of AWQSs;
- 1,4-Dioxane - 3.5 µg/L based on the USEPA drinking water health advisory (USEPA, 2018)[3]

Results from TTU-6 did not exceed the site-specific VOC TLs or the 1,4-dioxane TL of 3.5 µg/L.

As proposed in the Confirmation and Mitigation Path Forward for Increased Perchlorate Concentration at TTU-14 letter[4], and included in the SAP, the TTU groundwater monitoring program also includes action levels proposed for wells on SRPMIC property. These include wells TTU-1, TTU-2, TTU-3, TTU-4, TTU-6, TTU-7, TTU-8, TTU-9A, TTU-10, TTU-14, PF-1, and PF-2. The action levels are defined as an increase in concentration of an order of magnitude or more for perchlorate, 1,4-dioxane, and/or VOCs at wells exceeding their respective regulatory screening levels (Arizona HGBL for perchlorate, USEPA drinking water health advisory for 1,4-dioxane, and/or AWQSs for VOCs), versus the three most recent sampling events.

The action levels were not exceeded for wells TTU-1, TTU-2, TTU-3, TTU-4, TTU-7, TTU-8, TTU-9A, TTU-10, TTU-14, and PF-2 during 3Q 2024. Well PF-1 is non-operable and therefore was not sampled.

The concentration of 309 µg/L of perchlorate in well TTU-6 exceeded the maximum value from previous three sampling events of 18.1 µg/L measured in February 2024 by

[3] USEPA. 2018. 2018 Edition of the Drinking Water Standards and Health Advisory Tables, EPA 822-F-18-001, Washington, DC. March. https://www.epa.gov/system/files/documents/2022-01/dwtable2018.pdf

[4] Geosyntec, 2022. Confirmation and Mitigation Path Forward for Increased Perchlorate Concentration at TTU-14. Former Thermal Treatment Unit, Nammo Defense Systems Inc., Mesa, Arizona. 22 April.

one order of magnitude. The exceedance triggered monthly resampling to continue for three months. The initial sampling for TTU-6 was conducted on August 27, 2024. The following month resample was collected on 24 September 2024. The resampling date falls within 3Q 2024 and therefore was validated and reported in this report. Results from the September 2024 resampling of perchlorate at TTU-6 are provided in Tables 3 and 5.

Data Validation and Quality Assurance/Quality Control

A Tier 2 data validation of the laboratory results according to USEPA guidance and the laboratory results are qualified as usable for meeting project objectives. A data validation memorandum is provided in Attachment 3. Laboratory reports are provided in Attachment 4.

A QAPP procedures meeting was conducted on the first day of sampling. A well-by-well QAPP checklist including protocols for sampling activities was supplied on the first day of sampling and can be found alongside the field notes in Attachment 1.

CLOSING

If you have any questions about this report, please contact either Katie Blatchford (KBlatchford@Nammo.us) with NDS, or Fabrizio Mascioni (FMascioni@Geosyntec.com) with Geosyntec.

Sincerely,

Tory Luttermoser
Professional

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Principal Geologist

Copies to:
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Tables:

Table 1	Former Thermal Treatment Unit 2024 Groundwater Monitoring Well Network
Table 2	Groundwater Elevations – Third Quarter 2024
Table 3	Groundwater Perchlorate Concentrations – Third Quarter 2024
Table 4	Detected VOC Concentrations – Third Quarter 2024
Table 5	Historic 1,4-Dioxane, Perchlorate, and TCE Concentrations

Figures:

Figure 1	Site Location – Former Thermal Treatment Unit
Figure 2	Groundwater Elevations and Contours – August 2024
Figure 3	Perchlorate Isoconcentration – August 2024
Figure 4	1,4 Dioxane Isoconcentration – August 2024
Figure 5	1,1-Dichloroethene Isoconcentration – August 2024
Figure 6	Trichloroethene Isoconcentration – August 2024
Figure 7	Other Detected VOC Concentrations – August 2024

Attachments:

Attachment 1	Field Notes
Attachment 2	Mann-Kendall Trend Analysis
Attachment 3	Data Validation Memorandum
Attachment 4	Laboratory Analytical Reports

TABLES

TABLE 1:
FORMER THERMAL TREATMENT UNIT
2024 GROUNDWATER WELL NETWORK
NAMMO DEFENSE SYSTEMS INC.
MESA, ARIZONA

Geosyntec consultants

Well Identification	Latitude	Longitude	Measuring Point Elevation (ft asml)	ADWR Number	Well Type/Use	Well Name/ Owner	Well Owner Information	Well Const	Well Diameter (in)	Screen Interval (ft bgs)	Casing Depth (ft bgs)	Boring Depth (ft bgs)
Plume Monitoring Wells												
TTU-3	33 29 57.98	-111 43 00.91	1308.03	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85279	PVC	4	78.1-138.1	143.6	180
TTU-4	33 30 01.65	-111 42 59.09	1305.12	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85280	PVC	4	39.5-99.5	104.9	180
TTU-5	33 29 52.48	-111 42 58.40	1314.93	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85281	PVC	4	59.5-164.5	169.5	174
TTU-6	33 29 57.57	-111 43 04.79	1300.84	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	PVC	4	110-175	180	185
TTU-7	33 29 57.85	-111 43 05.18	1301.84	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	Steel	8.5	282-410	282	410
								Open Borehole	8		None	
TTU-8	33 30 01.91	-111 43 05.31	1310.23	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	PVC	4	135-185	190	204
TTU-9A	33 30 04.61	-111 42 51.19	1318.04	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	PVC	4	24-99	104	105
TTU-10	33 29 54.60	-111 43 07.90	1302.42	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	PVC	4	115-180	185	204
TTU-11	33 29 55.28	-111 42 51.47	1339.20	55-918534	Extraction/ Injection/ Monitoring[1]	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	PVC	4	24.1-89.1	94	136
TTU-12	33 29 56.03	-111 42 58.38	1312.21	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85282	Steel	5.5	30-180	30	180
								Open Borehole	5		None	
TTU-13	33 29 58.99	-111 42 56.85	1310.79	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85283	Steel	5.5	30-80	30	80
								Open Borehole	5		None	
TTU-14	33 29 57.20	-111 42 57.46	1316.80	N/A	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85284	Steel	5.5	45-100	45	100
								Open Borehole	5		None	
TTU-15	33 29 56.78	-111 42 47.03	1350.85	55-228014	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85285	Steel	5	10-100	10	100
								Open Borehole	4.5		None	
TTU-16	33 29 56.18	-111 42 49.59	1338.55	55-231730	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85286	Steel	8	20-95.6	20	95.6
								Open Borehole	8		None	
TTU-17	33 29 58.61	-111 42 45.69	1347.49	55-231735	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85287	Steel	8	20-101	20	101
								Open Borehole	8		None	
TTU-18	33 29 47.20	-111 42 58.10	1320.25	55-231737	Monitoring	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85288	Steel	8	21-140	21	140
								Open Borehole	8		None	
TTU-19	33 29 55.25	-111 42 51.50	1336.81	55-232969	Monitoring/ Injection [2]	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85288	PVC	4	25-95	95	96

TABLE 1:
FORMER THERMAL TREATMENT UNIT
2024 GROUNDWATER WELL NETWORK
NAMMO DEFENSE SYSTEMS INC.
MESA, ARIZONA

Geosyntec consultants

Well Identification	Latitude	Longitude	Measuring Point Elevation (ft asml)	ADWR Number	Well Type/Use	Well Name/ Owner	Well Owner Information	Well Const	Well Diameter (in)	Screen Interval (ft bgs)	Casing Depth (ft bgs)	Boring Depth (ft bgs)
Extraction and Injection Wells												
TTU-1	33 29 59.14	-111 42 56.27	1312.73	55-914440	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85277	PVC	4	30-70	75	200
TTU-2	33 29 55.85	-111 42 57.85	1314.44	N/A	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85278	PVC	4	49.4-179.6	185	187.5
TTU-20	33 29 55.17	-111 42 51.58	1336.90	55-232968	Monitoring/ Extraction[3]	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85288	PVC	4	25-95	95	100
TTU-EX-1	33 29 58.42	-111 42 52.55	1321.69	55-231733	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85288	Steel	8	19-110.7	19	110.7
								Open Borehole	8		None	
TTU-EX-2	33 29 57.61	-111 42 53.79	1316.40	55-231734	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85289	Steel	8	20-110	20	110
								Open Borehole	8		None	
TTU-EX-3	33 29 56.29	-111 42 54.12	1316.85	55-231731	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85290	Steel	8	20-101.45	20	111
								Open Borehole	8		None	
TTU-EX-4	33 29 55.46	-111 42 54.39	1319.96	55-231732	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85291	Steel	8	20-110.7	20	110.7
								Open Borehole	8		None	
TTU-EX-5	33 29 54.68	-111 42 54.62	1319.50	55-231736	Extraction	Nammo Defense Systems Inc.	P.O. Box 34299 Mesa, AZ 85292	Steel	8	20-110.8	20	110.8
								Open Borehole	8		None	
Production Wells												
PF-1	33 29 56.60	-111 43 09.75	1295.99	N/A	Production	University of Washington	4202 N Higley Rd Mesa, AZ 85215	Unknown	Unknown	Unknown	Unknown	Unknown
PF-2	33 29 56.65	-111 43 09.96	1296.35	N/A	Production	University of Washington	4202 N Higley Rd Mesa, AZ 85215	Steel	6 5/8	300-400	400	400

Abbreviations:

ft amsl = feet above mean sea level (NAVD88)
ADWR = Arizona Department of Water Resources
Const = construction
in = inches
N/A = Not applicable
PVC = polyvinyl chloride
ft bgs = feet below ground surface
TTU = Thermal Treatment Unit
EX = Extraction
PF = Primate Facility

Notes:

(1) - TTU-11 was converted from an extraction well to an injection well in October 2020 for a In-Situ Bioremediation Pilot Test then to a monitoring well after completion of the test.
(2) - TTU-19 was converted from a monitoring well to an injection well in February 2021 for an In-Situ Bioremediation Pilot Test, then back to a monitoring well after completion of the test.
(3) - TTU-20 was converted from a monitoring well to an extraction well in 2023
TTU-EX-1 through TTU-EX-5 are not currently operating as extraction wells. TTU-11 and TTU-19 are not currently operating as injection wells.

TABLE 2:
GROUNDWATER ELEVATIONS - THIRD QUARTER 2024
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Northing (intl ft)	Easting (intl ft)	Top of Casing Elevation (ft asml)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft asml)
TTU-1	909420.734	761281.203	1312.73	8/28/2024	42.03	1270.70
TTU-2	909087.852	761148.265	1314.44	8/28/2024	60.81	1253.63
TTU-3	909303.363	760888.204	1308.03	8/27/2024	80.72	1227.31
TTU-4	909673.680	761041.975	1305.12	8/27/2024	49.91	1255.21
TTU-5	908747.636	761102.227	1314.93	8/28/2024	79.91	1235.02
TTU-6	909260.820	760560.096	1300.84	8/27/2024	112.58	1188.26
TTU-7	909287.611	760527.269	1301.84	8/27/2024	129.98	1171.86
TTU-8	909699.266	760514.908	1310.23	8/27/2024	114.80	1195.43
TTU-9A	909974.490	761710.151	1318.04	8/28/2024	23.33	1294.71
TTU-10	908960.114	760297.013	1302.42	8/27/2024	165.87	1136.55
TTU-11	909029.758	761706.470	1339.20	8/28/2024	40.23	1298.97
TTU-12	909105.990	761103.280	1312.21	8/28/2024	70.65	1241.56
TTU-13	909405.920	761232.180	1310.79	8/28/2024	41.44	1269.35
TTU-14	909224.260	761181.230	1316.80	8/28/2024	56.92	1259.88
TTU-15	909185.100	762065.910	1350.85	8/27/2024	36.49	1314.36
TTU-16	909124.980	761848.851	1338.55	8/27/2024	27.29	1311.26
TTU-17	909370.903	762179.168	1347.49	8/28/2024	42.11	1305.38
TTU-18	908215.829	761130.011	1320.25	8/28/2024	DRY	
TTU-19	909030.750	761687.700	1336.81	8/28/2024	38.44	1298.37
TTU-20	909022.530	761681.990	1336.90	8/28/2024	52.86	1284.04
TTU-EX-1	909350.574	761597.823	1321.69	8/27/2024	32.31	1289.38
TTU-EX-2	909268.187	761493.214	1316.40	8/27/2024	40.42	1275.98
TTU-EX-3	909134.941	761465.507	1316.85	8/27/2024	41.98	1274.87
TTU-EX-4	909051.298	761442.876	1319.96	8/28/2024	45.71	1274.25
TTU-EX-5	908971.770	761423.325	1319.50	8/28/2024	42.11	1277.39
PF-1	909161.578	760140.434	1295.99	Decomissioned		
PF-2	909166.890	760122.250	1296.35	8/27/2024	N/A	UTM

Notes:

intl ft = international foot

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

UTM = unable to measure

TABLE 3:
GROUNDWATER PERCHLORATE CONCENTRATIONS
THIRD QUARTER 2024
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

			Analyte	Perchlorate
			Method	USEPA 314.0
			Units	µg/L
			Screening Level	14
Location	**Depth (ft btoc)**	**Date Sampled**	**Sample Type**	**Concentration**
TTU-1	50	2024-08-28	Primary	**13,600**
TTU-2	114	2024-08-28	Primary	**162,000**
TTU-3	108	2024-08-27	Primary	**33.6**
TTU-4	57	2024-08-27	Primary	< 4.00
TTU-5	110	2024-08-28	Primary	**37.9**
TTU-6	143	2024-08-27	Primary	**309**
		2024-09-24	Primary	**246**
TTU-7	345	2024-08-27	Primary	< 4.00
TTU-8	164	2024-08-27	Primary	< 4.00
TTU-9A	61	2024-08-28	Primary	< 4.00 UJ
			Duplicate	4.24 J
TTU-10	172	2024-08-27	Primary	< 4.00
TTU-11	73	2024-08-28	Primary	< 4.00
TTU-12	82	2024-08-28	Primary	**137,00**
TTU-13	51	2024-08-28	Primary	**23,900**
TTU-14	69	2024-08-28	Primary	**129,000**
			Duplicate	**125,000**
TTU-15	75	2024-08-27	Primary	**11,500**
TTU-16	80	2024-08-27	Primary	**692,000**
TTU-17	80	2024-08-28	Primary	**5.62**
TTU-19	73	2024-08-28	Primary	**13.3**
TTU-20	73	2024-08-28	Primary	**74,900**
TTU-EX-1	69	2024-08-27	Primary	**86,100**
TTU-EX-2	74	2024-08-27	Primary	**91,000**
TTU-EX-3	76	2024-08-27	Primary	**513,000**
			Duplicate	**526,000**
TTU-EX-4	77	2024-08-28	Primary	**85,600**
TTU-EX-5	80	2024-08-28	Primary	< 4.00
PF-2	400	2024-08-27	Primary	< 1.00
			Duplicate	< 1.00

Notes:

µg/L = micrograms per liter

ft btoc = feet below top of casing

USEPA = United States Environmental Protection Agency

Concentrations exceeding screening level are in **boldface**.

Non-detect results are indicated with "<" followed by the reporting limit.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation.

TABLE 4:
DETECTED VOC CONCENTRATIONS - THIRD QUARTER 2024
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

			Analyte	1,4-Dioxane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-butanone (MEK)	4-Methyl-2-Pentanone (MIBK)	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloromethane	Propene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	trans-1,2-Dichloroethene
			Method	8260B SIM	8260B														
			Units	µg/L															
			Screening Level	5 (1)	5	5	7	5	5,600 (2)	6,300 (2)	1,800 (2)	5	70 (1)	70	5	6,300 (2)	5	5	1,000
Location	Depth (ft btoc)	Date Sampled	Sample Type	Concentration															
TTU-1	50	8/28/2024	Primary	**19.9**	< 1.00	< 1.00	**7.6**	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	**16.9**	< 1.00
TTU-2	114	8/28/2024	Primary	**237**	1.85	1.11	**121**	< 1.00	< 10.0	< 10.0	< 50.0	1.46	< 5.00	1.94	< 5.00	< 2.50	1.22	**652**	< 1.00
TTU-3	108	8/27/2024	Primary	**16.9**	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
TTU-4	57	8/27/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
TTU-5	110	8/27/2024	Primary	**18.3**	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
TTU-6	143	8/27/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	1.31	< 1.00
TTU-7	345	8/27/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	6.67	< 1.00	< 1.00	< 1.00
TTU-8	164	8/27/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
TTU-9A	61	8/28/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
			Duplicate	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
TTU-10	172	8/27/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00
TTU-11	73	8/28/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	997	143	**1,960**	< 1.00	< 5.00	46.5	< 5.00	< 2.50	< 1.00	**62**	< 1.00
TTU-12	82	8/28/2024	Primary	**163**	< 20.0	< 20.0	**71.0**	< 20.0	< 200	< 200	< 1,000	< 20.0	< 100	< 20.0	< 100	< 50.0	< 20.0	**527**	< 1.00
TTU-13	51	8/28/2024	Primary	**44.8**	< 1.00	< 1.00	3.73	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	**10.8**	< 1.00
TTU-14	69	8/28/2024	Primary	**292**	< 50.0	< 50.0	**90.4**	< 50.0	< 500	< 500	< 2,500	< 50.0	< 250	< 50.0	< 250	< 125	< 50.0	**685**	< 50.00
			Duplicate	**289**	1.82	1.10	**121**	< 1.00	< 10.0	< 10.0	< 50.0	1.59	< 5.00	1.93	< 5.00	< 2.50	1.41	**704**	< 1.00
TTU-15	75	8/27/2024	Primary	**7.67**	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	2.01	< 1.00

TABLE 4:
DETECTED VOC CONCENTRATIONS - THIRD QUARTER 2024
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

			Analyte	1,4-Dioxane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	2-butanone (MEK)	4-Methyl-2-Pentanone (MIBK)	Acetone	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloromethane	Propene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	trans-1,2-Dichloroethene
			Method	8260B SIM	8260B														
			Units	µg/L															
			Screening Level	5 (1)	5	5	7	5	5,600 (2)	6,300 (2)	1,800 (2)	5	70 (1)	70	5	6,300 (2)	5	5	1,000
Location	**Depth (ft btoc)**	**Date Sampled**	**Sample Type**	**Concentration**															
TTU-16	80	8/27/2024	Primary	**2,640**	< 2,500	< 2,500	< 2,500	< 2,500	< 25,000	< 25,000	< 125,000	< 2,500	< 12,500	< 2,500	**19,200**	< 6,250	< 2,500	**33,200**	< 2,500
TTU-17	80	8/28/2024	Primary	**31.5**	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00 UJ	< 2.50	< 1.00	< 1.00	< 1.00
TTU-19	73	8/28/2024	Primary	**254**	< 5.00	< 5.00	**19.2**	< 5.00	< 50.0	< 50.0	< 250	< 5.00	< 25.0	**158**	< 25.0	< 12.5	< 5.00	**165**	5.82
TTU-20	73	8/28/2024	Primary	**375**	4.40	4.71	**350 J**	1.13	< 10.0	< 10.0	< 50.0	**5.26**	5.00	17.1	< 5.00 UJ	< 2.50	4.20	**3,190**	1.73
TTU-EX-1	69	8/27/2024	Primary	**556**	< 10.0	< 10.0	**97.6**	< 10.0	< 100	< 100	< 500	< 10.0	< 50.0	< 10.0	< 50.0 UJ	< 25.0	< 10.0	**259**	< 10.00
TTU-EX-2	74	8/27/2024	Primary	**250**	< 20.0	< 20.0	**98.2**	< 20.0	< 200	< 200	< 1,000	< 20.0	< 100	< 20.0	< 100	< 50.0	< 20.0	**465**	< 20.00
TTU-EX-3	76	8/27/2024	Primary	**813**	< 250	< 250	**905**	< 250	< 2,500	< 2,500	< 12,500	< 250	< 1,250	< 250	< 1,250 UJ	< 625	< 250	**8,500**	< 250
			Duplicate	**624**	< 250	< 250	**885**	< 250	< 2,500	< 2,500	< 12,500	< 250	< 1,250	< 250	< 1,250 UJ	< 625	< 250	**8,530**	< 250
TTU-EX-4	77	8/28/2024	Primary	**35.2**	< 25.0	< 25.0	**86.0**	< 25.0	< 250	< 250	< 1,250	< 25.0	< 125	< 25.0	< 125	< 62.5	< 25.0	**686**	< 25.0
TTU-EX-5	80	8/28/2024	Primary	3.24	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0 U	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	2.78	< 1.00
PF-2	400	8/27/2024	Primary	< 3.00	< 1.00	< 1.00	< 1.00	< 1.00	< 10.0	< 10.0	< 50.0	< 1.00	< 5.00	< 1.00	< 5.00	< 2.50	< 1.00	< 1.00	< 1.00

Notes:

Any analytes not presented on this table were of non-detectable concentrations.

Non-detect results are indicated by "<" followed by the laboratory reporting limit.

Concentrations exceeding the AWQS are indicated in **boldface**.

µg/L = micrograms per liter

NE = Not established; no aquifer water quality standard is established.

ft btoc = feet below top of casing

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation

(1) = Screening level defined in Groundwater Samplng and Analysis Plan (Pinyon, 2022)

(2) = United States Environmental Protection Agency Tap Water Regional Screening Level, (TR=1E-06, HQ=1) May 2024. AWQS has not been established

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
PF-1	Primary	6/4/2003	--	< 2.0	--
PF-1	Primary	1/22/2009	--	< 2.0	--
PF-1	Primary	10/22/2012	--	< 2.0	--
PF-1	Primary	5/18/2015	< 2.0	< 1.0	< 2.0
PF-1	Primary	9/9/2015	< 2.0	< 2.0	< 2.0
PF-1	Duplicate	9/9/2015	< 2.0	< 2.0	< 2.0
PF-1	Primary	11/23/2015	< 2.0	--	< 2.0
PF-1	Duplicate	11/23/2015	--	< 2.0	--
PF-1	Primary	2/25/2016	< 2.0 J	< 2.0	< 2.0
PF-1	Primary	6/1/2016	< 3.0	< 0.50 J	< 1.0
PF-1	Primary	8/18/2016	< 2.0	< 0.10	< 2.0
PF-1	Primary	11/22/2016	< 2.0	1.3	< 2.0
PF-1	Duplicate	11/22/2016	--	1.1	--
PF-1	Primary	2/22/2017	< 1.0	< 0.20	< 1.0
PF-1	Primary	5/23/2017	< 1.0	0.39	< 1.0
PF-1	Primary	8/29/2017	< 1.0	0.28	< 1.0
PF-1	Primary	11/27/2017	< 1.0	0.19 J	< 1.0
PF-1	Primary	3/27/2018	< 3.0	0.38	< 0.40
PF-1	Primary	3/27/2018	< 3.0	0.38	< 0.40
PF-1	Primary	6/28/2018	< 3.0	< 0.20	< 0.40
PF-1	Primary	6/28/2018	< 3.0	< 0.20	< 0.40
PF-1	Primary	9/10/2018	< 3.0	0.44	< 0.40
PF-1	Primary	9/10/2018	< 3.0	0.44	< 0.40
PF-1	Primary	12/10/2018	< 3.0	0.27	< 0.40
PF-1	Primary	12/10/2018	< 3.0	0.27	< 0.40
PF-1	Primary	3/26/2019	< 3.0	< 4.0	< 1.0
PF-2	Primary	1/28/2014	--	< 2.0	--
PF-2	Duplicate	8/26/2014	--	2.7	--
PF-2	Primary	9/15/2014	--	< 2.0	--
PF-2	Duplicate	9/15/2014	--	< 2.0	--
PF-2	Primary	10/7/2014	--	< 2.0	--
PF-2	Duplicate	10/7/2014	--	0.48	--
PF-2	Primary	11/19/2014	--	< 2.0	--
PF-2	Primary	1/13/2015	--	--	< 2.0
PF-2	Primary	2/5/2015	< 2.0	< 2.0	< 2.0
PF-2	Primary	5/18/2015	< 2.0	< 1.0	< 2.0
PF-2	Primary	9/9/2015	< 2.0	< 2.0	< 2.0
PF-2	Duplicate	9/9/2015	< 2.0	< 2.0	< 2.0
PF-2	Primary	11/23/2015	< 2.0	< 2.0	< 2.0
PF-2	Primary	2/25/2016	< 2.0	< 2.0	< 2.0
PF-2	Primary	6/1/2016	< 3.0	0.52 J	< 1.0
PF-2	Duplicate	6/1/2016	< 3.0	< 0.50 J	< 1.0
PF-2	Primary	8/18/2016	< 2.0	0.46	< 2.0
PF-2	Primary	11/22/2016	< 2.0	< 1.0	< 2.0
PF-2	Primary	2/22/2017	< 1.0	0.41	< 1.0
PF-2	Primary	5/23/2017	< 1.0	0.38	< 1.0
PF-2	Primary	8/29/2017	< 1.0	0.37	< 1.0
PF-2	Primary	11/27/2017	< 1.0	0.38	< 1.0
PF-2	Primary	3/27/2018	< 3.0	0.42	< 0.40
PF-2	Primary	3/27/2018	< 3.0	0.42	< 0.40
PF-2	Primary	6/28/2018	< 3.0	0.40	< 0.40
PF-2	Primary	6/28/2018	< 3.0	0.40	< 0.40
PF-2	Primary	9/10/2018	< 3.0	0.40	< 0.40
PF-2	Primary	9/10/2018	< 3.0	0.40	< 0.40
PF-2	Primary	12/10/2018	< 3.0	0.34	< 0.40
PF-2	Primary	12/10/2018	< 3.0	0.34	< 0.40
PF-2	Primary	3/26/2019	< 3.0	< 4.0	< 1.0
PF-2	Primary	6/7/2019	--	< 8.0	--
PF-2	Primary	9/16/2019	< 3.00	0.360 J	< 1.00
PF-2	Duplicate	9/16/2019	< 3.00	< 0.200 J	< 1.00
PF-2	Primary	12/23/2019	< 3.00	0.41	< 1.00
PF-2	Primary	3/13/2020	< 3.00	< 0.50	< 1.00

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
PF-2	Duplicate	3/13/2020	--	< 0.50	--
PF-2	Primary	6/19/2020	--	1.3	--
PF-2	Primary	7/21/2020	--	1.1	--
PF-2	Primary	12/4/2020	< 3.00	0.61	< 1.00
PF-2	Duplicate	12/4/2020	< 3.00	0.64	< 1.00
PF-2	Primary	3/29/2021	< 3.00	--	< 1.00
PF-2	Primary	5/6/2021	< 3.00	--	< 1.00
PF-2	Primary	8/6/2021	< 3.00	0.75	< 1.00
PF-2	Duplicate	8/6/2021	--	0.56	--
PF-2	Primary	11/18/2021	< 3.00	1.50	< 1.00
PF-2	Duplicate	11/18/2021	--	1.30	--
PF-2	Primary	3/31/2022	< 3.00	--	< 1.00
PF-2	Duplicate	3/31/2022	< 3.00	--	--
PF-2	Primary	6/21/2022	< 3.00	--	< 1.00 U,J3
PF-2	Duplicate	6/21/2022	< 3.00	--	< 1.00
PF-2	Primary	9/9/2022	--	0.650	< 1.00
PF-2	Primary	11/30/2022	< 3.00	< 0.500 U;E4	< 1.00
PF-2	Primary	1/6/2023	--	< 0.43 U,E8	--
PF-2	Primary	2/27/2023	< 3.0	< 0.38	< 1.0
PF-2	Primary	6/12/2023	< 3.0	< 0.48	< 1.0
PF-2	Duplicate	6/12/2023	< 3.0	--	< 1.0
PF-2	Primary	9/5/2023	< 3.0	0.40 E4,T5	< 1.0
PF-2	Primary	11/21/2023	< 3.0	< 0.31 U,E8	< 1.0
PF-2	Primary	2/14/2024	< 3.00	--	< 1.00
PF-2	Primary	5/21/2024	< 3.00	< 4.00 J	< 1.00
PF-2	Primary	6/6/2024	--	< 1.00	--
PF-2	Primary	2/27/2024	< 3.00		< 1.00
TTU-1	Primary	9/25/2012	--	30,000	--
TTU-1	Primary	10/22/2012	--	< 2,000	--
TTU-1	Primary	11/13/2013	--	15,000	--
TTU-1	Primary	11/13/2013	--	15,000	--
TTU-1	Primary	8/26/2014	--	12,000	--
TTU-1	Primary	8/26/2014	--	12,000	--
TTU-1	Primary	11/18/2014	--	16,000	6.1
TTU-1	Primary	11/18/2014	--	16,000	--
TTU-1	Primary	12/23/2014	--	--	8.8
TTU-1	Primary	2/5/2015	26.0	18,000	10
TTU-1	Primary	2/5/2015	26	18,000	10
TTU-1	Primary	5/18/2015	20.0	17,000	6.1
TTU-1	Primary	5/18/2015	20	17,000	6.1
TTU-1	Primary	9/9/2015	17.0	15,000	5.2
TTU-1	Primary	9/9/2015	17	15,000	5.2
TTU-1	Primary	11/23/2015	14.0	12,000	5.1
TTU-1	Primary	11/23/2015	14	12,000	5.1
TTU-1	Primary	2/25/2016	11	9,600	4.6
TTU-1	Primary	2/25/2016	11	9,600	4.6
TTU-1	Primary	6/1/2016	12.7	7,080	3.03
TTU-1	Primary	6/1/2016	13	7,100 J	3.0
TTU-1	Primary	8/18/2016	11	17,000	3.7
TTU-1	Primary	8/18/2016	11	17,000	3.7
TTU-1	Primary	11/22/2016	27.0	59,000	5.5
TTU-1	Primary	11/22/2016	27	59,000	5.5
TTU-1	Primary	2/22/2017	18.4	62,600	5.5
TTU-1	Primary	2/22/2017	18	63,000	5.5
TTU-1	Primary	5/23/2017	14.1	50,200	7.2
TTU-1	Primary	5/23/2017	14	50,000	7.2
TTU-1	Primary	8/29/2017	11	49,100	1.4
TTU-1	Primary	8/29/2017	11	49,000	1.4
TTU-1	Primary	11/27/2017	17.7	49,000	7.1
TTU-1	Duplicate	11/27/2017	18.1	48,800	7.2
TTU-1	Primary	11/27/2017	18	49,000	7.1
TTU-1	Duplicate	11/27/2017	18	49,000	7.2

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-1	Primary	3/27/2018	17.1	255,000	4.6
TTU-1	Primary	3/27/2018	17	21,000 J	4.6
TTU-1	Primary	9/12/2018	31.8	21,600	11.2
TTU-1	Duplicate	9/12/2018	29.1	23,100	12.4
TTU-1	Primary	9/12/2018	32	22,000	11
TTU-1	Duplicate	9/12/2018	29	23,000	12
TTU-1	Primary	12/4/2018	7.30	87.6	4.4
TTU-1	Primary	12/4/2018	7.3	88	4.4
TTU-1	Primary	9/16/2019	13.9	7,600	5.72
TTU-1	Duplicate	9/16/2019	10.8	8,120	4.85
TTU-1	Primary	12/20/2019	5.06	5,130	5.19
TTU-1	Primary	3/12/2020	4.63 J	4,690	3.91
TTU-1	Primary	6/18/2020	17.1	7,180	7.60
TTU-1	Primary	7/20/2020	3.71	4,830	6.09
TTU-1	Primary	12/2/2020	29.9	< 200	1.33
TTU-1	Primary	3/30/2021	18.9 J	11,700	6.40
TTU-1	Primary	5/6/2021	22.0	14,000	17.1 J
TTU-1	Primary	7/29/2021	37.7	5,640	14.3
TTU-1	Primary	12/22/2021	11.1	21,100	8.82
TTU-1	Primary	3/26/2022	18.4	15,100	3.72
TTU-1	Duplicate	3/26/2022	19.9	14,500	4.46
TTU-1	Primary	6/16/2022	17.5 Q	38,700	4.42
TTU-1	Duplicate	6/16/2022	35.5	13,200	4.12
TTU-1	Primary	10/11/2022	15.1	11,300	5.13
TTU-1	Duplicate	10/11/2022	14.5	11,200	5.85
TTU-1	Primary	11/28/2022	11.8 B	6,990	4.86
TTU-1	Primary	2/23/2023	15	8,400	5.0 M1
TTU-1	Primary	6/15/2023	9.7	6,200	4.2
TTU-1	Primary	9/14/2023	6.1	--	1.4
TTU-1	Primary	11/17/2023	9.5	8,300	3.5
TTU-1	Primary	2/13/2024	18.2	11,700	5.44
TTU-1	Primary	5/21/2024	21.2	11,900	13.3
TTU-1	Primary	8/28/2024	19.9	13,600	16.9
TTU-10	Primary	7/21/2016	< 2.0	< 1.0	< 2.0
TTU-10	Primary	8/18/2016	< 2.0	< 1.0	< 2.0
TTU-10	Primary	11/22/2016	< 2.0	< 1.0	< 2.0
TTU-10	Primary	2/22/2017	< 1.0	< 3.0	< 1.0
TTU-10	Primary	5/23/2017	< 1.0	< 3.0	< 1.0
TTU-10	Primary	8/29/2017	< 1.0	< 3.0	< 1.0
TTU-10	Primary	11/27/2017	< 1.0	< 6.0	< 1.0
TTU-10	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	6/28/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	6/28/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	9/10/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	9/10/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-10	Primary	3/26/2019	< 3.0	< 4.0	< 1.0
TTU-10	Primary	6/27/2019	< 3.00	< 4.0	--
TTU-10	Primary	9/16/2019	< 3.00	< 4.00	< 1.00
TTU-10	Primary	12/23/2019	< 3.00	< 4.00	< 1.00
TTU-10	Primary	3/13/2020	< 3.00	< 4.00	< 1.00
TTU-10	Primary	6/18/2020	< 3.00	< 4.00	< 1.00
TTU-10	Primary	7/21/2020	< 3.00	< 4.00	< 1.00
TTU-10	Primary	12/4/2020	< 3.00	< 4.00	< 1.00
TTU-10	Primary	3/29/2021	< 3.00	< 4.00	< 1.00
TTU-10	Primary	5/6/2021	< 3.00	2.09 J	< 1.00
TTU-10	Primary	8/6/2021	< 3.00	< 4.00	< 1.00
TTU-10	Primary	11/18/2021	< 3.00	< 4.00	< 1.00
TTU-10	Primary	3/22/2022	1.58 E4	31.8 M1	< 1.00
TTU-10	Primary	4/29/2022	--	< 4.00	--

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			3.5	3.2	5
TTU-10	Duplicate	4/29/2022	--	< 4.00	--
TTU-10	Primary	6/14/2022	< 3.00 U,J3	< 4.00	< 1.00
TTU-10	Duplicate	6/14/2022	< 3.00 U,J3	< 4.00	< 1.00
TTU-10	Primary	9/9/2022	< 3.00	37.0	< 1.00
TTU-10	Primary	11/30/2022	< 3.00	< 4.00	< 1.00
TTU-10	Primary	2/27/2023	< 3.0	< 4.0	< 1.0
TTU-10	Primary	6/12/2023	< 3.0	< 4.0	< 1.0
TTU-10	Primary	9/5/2023	< 3.0	< 4.0	< 1.0
TTU-10	Primary	11/21/2023	< 3.0	< 4.0	< 1.0
TTU-10	Duplicate	11/21/2023	< 3.0	< 4.0	< 1.0
TTU-10	Primary	2/14/2024	< 3.00	< 4.00	< 1.00
TTU-10	Duplicate	2/14/2024	< 3.00	< 4.00	< 1.00
TTU-10	Primary	5/21/2024	< 3.00	< 4.00	< 1.00
TTU-10	Primary	8/27/2024	< 3.00	< 4.00	< 1.00
TTU-11	Primary	9/23/2015	380	160,000	3,100
TTU-11	Duplicate	9/23/2015	400	100,000	3,100
TTU-11	Primary	9/23/2015	380	160,000	3,100
TTU-11	Duplicate	9/23/2015	400	100,000	3,100
TTU-11	Primary	11/23/2015	270	120,000	2,900
TTU-11	Primary	11/23/2015	270	120,000	2,900 J
TTU-11	Primary	2/25/2016	250	87,000	2,400
TTU-11	Primary	2/25/2016	250	87,000	2,400
TTU-11	Primary	6/1/2016	282	76,800	1,600
TTU-11	Primary	6/1/2016	282	77,000 J	1,600
TTU-11	Primary	8/18/2016	240	75,000	1,800
TTU-11	Primary	8/18/2016	240	75,000	1,800
TTU-11	Primary	11/22/2016	310	91,000	2,500
TTU-11	Duplicate	11/22/2016	340	93,000	2,400
TTU-11	Primary	11/22/2016	310	91,000	2,500
TTU-11	Duplicate	11/22/2016	340	93,000	2,400
TTU-11	Primary	2/22/2017	222	66,000	2,010
TTU-11	Duplicate	2/22/2017	224	70,000	2,080
TTU-11	Primary	2/22/2017	261	270,000	2,010
TTU-11	Duplicate	2/22/2017	--	70,000	2,080
TTU-11	Primary	2/22/2017	--	--	2,780
TTU-11	Duplicate	2/22/2017	222	66,000	--
TTU-11	Duplicate	2/22/2017	224	--	--
TTU-11	Primary	5/23/2017	201	50,000	1,560
TTU-11	Duplicate	5/23/2017	192	48,200	1,710
TTU-11	Primary	5/23/2017	201	50,000	1,560
TTU-11	Duplicate	5/23/2017	192	48,000	1,710
TTU-11	Primary	8/29/2017	1,450	1,020,000	807
TTU-11	Primary	8/29/2017	1,450	1,000,000	807
TTU-11	Primary	3/27/2018	671	261,000	461
TTU-11	Primary	3/27/2018	671	260,000	461
TTU-11	Primary	9/12/2018	1,060	400,000	4,650
TTU-11	Primary	9/12/2018	1,060	400,000	4,650
TTU-11	Primary	12/4/2018	1,820	413,000	14,500
TTU-11	Duplicate	12/4/2018	1,840	432,000	14,800
TTU-11	Duplicate	12/4/2018	--	432,000	--
TTU-11	Primary	12/4/2018	1,820	410,000	14,500
TTU-11	Duplicate	12/4/2018	1,840	430,000	14,800
TTU-11	Primary	12/10/2018	1,820	--	14,500
TTU-11	Duplicate	12/10/2018	1,840	--	14,800
TTU-11	Primary	9/16/2019	1,510	378,000	11,200
TTU-11	Primary	12/20/2019	855 J-	404,000	11,500
TTU-11	Duplicate	12/20/2019	907 J-	385,000	9,400
TTU-11	Primary	3/12/2020	863	339,000	6,780
TTU-11	Primary	6/18/2020	1,570	344,000	15,000
TTU-11	Primary	7/20/2020	977	287,000	17,600
TTU-11	Primary	10/26/2020	358 J	163,000	4,430
TTU-11	Primary	10/26/2020	562 J	262,000	4,870

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-11	Primary	9/23/2021	6.95 J-	< 200	69.8
TTU-11	Primary	6/20/2022	< 3.00	< 4.00 U,J5	56.3
TTU-11	Primary	9/3/2022	--	< 4.00 U;M2	58.2
TTU-11	Primary	11/30/2022	< 3.00 U;J3	< 20.0	71.5
TTU-11	Primary	2/25/2023	11,600	< 200	68
TTU-11	Primary	6/13/2023	< 30	< 4.0	46
TTU-11	Primary	9/5/2023	< 3.0	490	79
TTU-11	Primary	11/18/2023	< 3.0	1,300	68
TTU-11	Primary	2/13/2024	< 3.00	< 4.00	76.6
TTU-11	Primary	5/20/2024	< 3.00	< 4.00	74.1
TTU-11	Primary	8/28/2024	< 3.00	< 4.00	62
TTU-12	Primary	8/29/2017	85.7	217,000	335
TTU-12	Primary	8/29/2017	86	220,000	335
TTU-12	Primary	11/27/2017	84.1	136,000	301
TTU-12	Primary	11/27/2017	84	140,000	301
TTU-12	Primary	3/27/2018	85.5	114,000	484
TTU-12	Primary	3/27/2018	86	110,000	484
TTU-12	Primary	6/28/2018	108	123,000	339
TTU-12	Primary	6/28/2018	108	120,000	339
TTU-12	Primary	9/10/2018	91.0	123,000	460
TTU-12	Primary	9/10/2018	91	120,000	460
TTU-12	Primary	12/10/2018	107	124,000	454
TTU-12	Primary	12/10/2018	107	120,000	454
TTU-12	Primary	3/25/2019	136	127,000	176
TTU-12	Primary	6/7/2019	120	139,000	507
TTU-12	Primary	9/16/2019	160	132,000	543
TTU-12	Primary	12/20/2019	106	137,000	567
TTU-12	Primary	3/12/2020	94.8 J	134,000	407
TTU-12	Primary	6/17/2020	184	122,000	471
TTU-12	Primary	7/20/2020	82.2	132,000	547
TTU-12	Primary	12/2/2020	159	142,000	531
TTU-12	Primary	3/30/2021	115 J	143,000	480
TTU-12	Primary	5/6/2021	142	142,000	540
TTU-12	Primary	7/29/2021	176	123,000	466
TTU-12	Primary	11/18/2021	133	148,000	624
TTU-12	Duplicate	11/18/2021	141	140,000	617
TTU-12	Primary	3/22/2022	149	120,000 M3	538
TTU-12	Primary	6/13/2022	170	132,000	487
TTU-12	Primary	9/9/2022	119	132,000	529
TTU-12	Primary	11/29/2022	117	141,000	463
TTU-12	Primary	2/23/2023	209	130,000	452
TTU-12	Primary	6/13/2023	127	130,000	448
TTU-12	Primary	9/7/2023	131	140,000 M3	519 M3
TTU-12	Primary	11/18/2023	153	110,000	427
TTU-12	Primary	2/12/2024	< 3.00	139,000	511
TTU-12	Primary	5/20/2024	99.7	117,000	515
TTU-12	Primary	8/28/2024	163	137,000	527
TTU-13	Primary	8/29/2017	4.0	14,200	2.6
TTU-13	Primary	8/29/2017	4.0	14,000	2.6
TTU-13	Primary	11/27/2017	14.1	25,900	5.7
TTU-13	Primary	11/27/2017	14	26,000	5.7
TTU-13	Primary	3/27/2018	18.3	26,300	7.3
TTU-13	Primary	3/27/2018	18	26,000	7.3
TTU-13	Primary	6/28/2018	33.9	35,300	12.6
TTU-13	Primary	6/28/2018	34	35,000	13
TTU-13	Primary	9/10/2018	47.3	40,000	24.2
TTU-13	Primary	9/10/2018	47	40,000	24
TTU-13	Primary	12/10/2018	45.2	37,500	20.1
TTU-13	Primary	12/10/2018	45	38,000	20
TTU-13	Primary	3/25/2019	55.8	43,100	21.7
TTU-13	Primary	6/7/2019	39.9	42,300	22.6
TTU-13	Primary	9/16/2019	58.0	37,200	18.3

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-13	Primary	12/20/2019	40.2	37,800	17.0
TTU-13	Primary	3/12/2020	--	32,500	--
TTU-13	Primary	3/16/2020	32.2 J	32,700	15.4
TTU-13	Duplicate	3/16/2020	33.5 J	32,600	14.9
TTU-13	Primary	6/17/2020	48.5	28,600	14.6
TTU-13	Duplicate	6/17/2020	54.1	29,700	16.6
TTU-13	Primary	7/20/2020	29.6	29,300	13.3
TTU-13	Duplicate	7/20/2020	27.7	29,700	13.8
TTU-13	Primary	12/3/2020	25.3	25,500	11.2 J
TTU-13	Primary	3/30/2021	37.7 J	29,800	17.1
TTU-13	Primary	5/6/2021	37.9	28,100	12.9
TTU-13	Primary	7/29/2021	58.6	24,000	11.1
TTU-13	Primary	11/18/2021	3.26	11,000	1.44 J
TTU-13	Primary	3/22/2022	9.96	14,900	5.76
TTU-13	Primary	6/13/2022	28.9	17,100 V	5.52
TTU-13	Primary	9/8/2022	13.7	36,900	7.06
TTU-13	Primary	11/29/2022	33.5	23,300	12.7
TTU-13	Primary	2/23/2023	40	27,000	13
TTU-13	Primary	6/13/2023	33	24,000	9.3
TTU-13	Primary	9/6/2023	37	24,000	9.8
TTU-13	Primary	11/17/2023	21	23,000	9.4
TTU-13	Primary	2/12/2024	31.4	24,000	13.6
TTU-13	Primary	5/20/2024	31.8	21,300	11.7
TTU-13	Primary	8/28/2024	44.8	23,900	10.8
TTU-14	Primary	8/29/2017	367	185,000	657
TTU-14	Primary	8/29/2017	367	190,000	657
TTU-14	Primary	11/27/2017	356	187,000	828
TTU-14	Primary	11/27/2017	356	190,000	828
TTU-14	Primary	3/27/2018	363	167,000	1,030
TTU-14	Primary	3/27/2018	363	170,000	1,030
TTU-14	Primary	6/28/2018	381	159,000	875
TTU-14	Primary	6/28/2018	381	160,000	875
TTU-14	Primary	9/10/2018	338	155,000	689
TTU-14	Primary	9/10/2018	338	160,000	689
TTU-14	Primary	12/17/2018	331	151,000	694
TTU-14	Primary	12/17/2018	331	150,000	694
TTU-14	Primary	3/27/2019	356	186,000	780
TTU-14	Primary	6/27/2019	427	155,000	--
TTU-14	Primary	9/16/2019	422	186,000	921
TTU-14	Primary	12/20/2019	280	159,000	1,060
TTU-14	Primary	3/12/2020	278 J	152,000	880
TTU-14	Primary	6/17/2020	504	133,000	891
TTU-14	Primary	7/20/2020	241	157,000	1,210
TTU-14	Primary	12/2/2020	388	174,000	917
TTU-14	Primary	3/30/2021	280 J	160,000	990
TTU-14	Primary	5/6/2021	370	151,000	831
TTU-14	Primary	7/29/2021	493	132,000	966
TTU-14	Primary	11/18/2021	279	12,600,000	917
TTU-14	Duplicate	3/21/2022	321	178,000	879
TTU-14	Primary	3/22/2022	339	124,000	908
TTU-14	Primary	6/14/2022	297 J3	136,000	1,040
TTU-14	Primary	9/9/2022	297	143,000	1,020
TTU-14	Primary	11/29/2022	288	148,000	882
TTU-14	Primary	2/25/2023	339	160,000	807
TTU-14	Primary	6/13/2023	269	140,000	764
TTU-14	Primary	9/7/2023	246	140,000	921
TTU-14	Primary	11/18/2023	356	130,000	712
TTU-14	Primary	2/12/2024	286	147,000	829
TTU-14	Primary	5/20/2024	211	111,000	763
TTU-14	Duplicate	5/20/2024	221	109,000	780
TTU-14	Primary	8/28/2024	292	129,000	685
TTU-14	Duplicate	8/28/2024	289	125,000	704

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-15	Primary	1/15/2019	0.0	5,200	0.0
TTU-15	Primary	3/27/2019	3.54	7,490	< 1.0
TTU-15	Primary	9/16/2019	3.95	9,480	< 1.00
TTU-15	Primary	12/20/2019	6.09	11,600	< 1.00
TTU-15	Primary	3/12/2020	3.02	12,100	< 1.00
TTU-15	Primary	6/17/2020	5.32	12,900	< 1.00
TTU-15	Primary	7/20/2020	2.81 J	12,800	< 1.00
TTU-15	Primary	12/2/2020	< 3.00	< 4.00	3.10
TTU-15	Primary	3/29/2021	5.33 J	0.856 J	12.9
TTU-15	Primary	5/5/2021	3.83	148	11.7
TTU-15	Primary	7/29/2021	6.26	< 4.00	13.0
TTU-15	Primary	11/17/2021	5.90	2,520	10.3
TTU-15	Primary	3/21/2022	6.93	4,230	7.89
TTU-15	Primary	6/13/2022	9.83	5,500	6.23
TTU-15	Primary	9/8/2022	8.21	5,510	6.08
TTU-15	Primary	11/29/2022	27.5	7,160	5.13
TTU-15	Primary	2/25/2023	16	8,300	4.9
TTU-15	Primary	6/12/2023	14	7,800	3.8
TTU-15	Primary	9/6/2023	4.7	9,900	3.1
TTU-15	Primary	11/18/2023	12	12,000	3.2
TTU-15	Duplicate	11/18/2023	6.4	11,000	3.2
TTU-15	Primary	4/9/2024	--	11,100	< 20.0
TTU-15	Primary	5/20/2024	6.70	9,100	3.52 J
TTU-15	Primary	8/27/2024	7.67	11,500	2.01
TTU-16	Primary	3/13/2020	2,470 J	655,000	51,500
TTU-16	Primary	6/17/2020	4,310	1,030,000 J	68,400
TTU-16	Duplicate	6/17/2020	5,610	747,000 J	70,200
TTU-16	Primary	7/20/2020	2,220 J-	658,000	92,200
TTU-16	Primary	12/2/2020	1,730	866,000	80,000
TTU-16	Duplicate	12/2/2020	1,990	765,000	96,000
TTU-16	Primary	3/29/2021	2,880	822,000	76,800
TTU-16	Duplicate	3/29/2021	2,550	803,000	71,800
TTU-16	Primary	5/5/2021	4,920	834,000	77,400 J
TTU-16	Duplicate	5/5/2021	5,270	814,000	38,500 J
TTU-16	Primary	7/29/2021	5,140	750,000	86,000
TTU-16	Duplicate	7/29/2021	5,710	746,000	87,300
TTU-16	Primary	11/17/2021	3,930	879,000	93,200
TTU-16	Primary	3/21/2022	5,430	768,000	103,000
TTU-16	Primary	6/13/2022	3,600 J3	763,000	96,500
TTU-16	Primary	9/8/2022	--	913,000	9,520
TTU-16	Primary	11/29/2022	3,180	859,000	80,000
TTU-16	Primary	2/25/2023	32,800	830,000	69,100
TTU-16	Duplicate	2/25/2023	39,600	830,000	83,600
TTU-16	Primary	6/13/2023	2,300	820,000	78,000 L1
TTU-16	Primary	9/7/2023	2,880	770,000	59,400
TTU-16	Primary	11/18/2023	3,470	790,000	30,800
TTU-16	Primary	4/9/2024	--	817,000	68,500
TTU-16	Primary	5/20/2024	2,740	660,000	63,300
TTU-16	Primary	8/27/2024	2,640	692,000	33,200
TTU-17	Primary	3/13/2020	< 0.424	1.69 J	0.463 J
TTU-17	Primary	6/17/2020	< 3.00	2.36 J	0.321 J
TTU-17	Primary	7/20/2020	< 3.00	< 4.00	0.367 J
TTU-17	Primary	12/2/2020	< 3.00	< 4.00	1.56
TTU-17	Primary	3/29/2021	< 3.00	2.78 J	5.00
TTU-17	Primary	5/5/2021	< 3.00	5.51 J+	4.13
TTU-17	Primary	7/29/2021	< 3.00	< 4.00	3.99
TTU-17	Primary	11/17/2021	< 3.00	< 4.00	3.08
TTU-17	Primary	3/21/2022	4.75	24.1	3.51
TTU-17	Primary	6/13/2022	10.1	9.45	2.10
TTU-17	Primary	9/8/2022	242	< 4.00	2.10
TTU-17	Primary	11/29/2022	264	13.3	1.41
TTU-17	Duplicate	11/29/2022	2.11 B;J	2.76 J	1.57

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-17	Primary	2/25/2023	< 3.0	--	1.3
TTU-17	Primary	6/12/2023	< 3.0	< 4.0	1.2 L1
TTU-17	Primary	9/6/2023	< 3.0	< 4.0	1.2
TTU-17	Primary	11/18/2023	< 3.0	12	0.72 E4
TTU-17	Primary	2/12/2024	< 3.00	< 4.00	0.661 E4
TTU-17	Primary	5/20/2024	8.75	26.5	< 1.00
TTU-17	Primary	8/28/2024	31.5	5.62	< 1.00
TTU-19	Primary	10/26/2020	915 J	307,000	9,990
TTU-19	Primary	10/26/2020	781 J	312,000	12,900
TTU-19	Primary	9/23/2021	70.4 J-	< 200	478
TTU-19	Primary	6/20/2022	< 3.00	295	189
TTU-19	Duplicate	6/20/2022	< 3.00	42.9 J	373
TTU-19	Primary	9/3/2022	152 H1	--	293 M3
TTU-19	Primary	11/30/2022	< 3.00	120	360
TTU-19	Primary	2/25/2023	318	< 40	348
TTU-19	Primary	6/13/2023	247	23	310 L1
TTU-19	Primary	9/7/2023	209	15	158
TTU-19	Primary	11/18/2023	279	< 4.0	187
TTU-19	Duplicate	11/18/2023	232	< 4.0	164
TTU-19	Primary	2/13/2024	192	< 4.00	195
TTU-19	Primary	5/20/2024	185	< 4.00	165
TTU-19	Primary	8/28/2024	254	13.3	165
TTU-2	Primary	11/13/2013	--	180,000	--
TTU-2	Primary	11/13/2013	--	180,000	--
TTU-2	Duplicate	11/13/2013	--	210,000	--
TTU-2	Duplicate	11/13/2013	--	230,000	--
TTU-2	Primary	8/26/2014	--	210,000	--
TTU-2	Primary	8/26/2014	--	210,000	--
TTU-2	Primary	11/18/2014	--	200,000	370
TTU-2	Primary	11/18/2014	--	200,000	--
TTU-2	Primary	12/23/2014	--	--	280
TTU-2	Primary	12/23/2014	--	--	280
TTU-2	Primary	2/5/2015	170	170,000	280
TTU-2	Primary	2/5/2015	170	170,000	280
TTU-2	Primary	5/18/2015	160	170,000	190
TTU-2	Primary	5/18/2015	160	170,000	190
TTU-2	Primary	9/9/2015	170	170,000	200
TTU-2	Primary	9/9/2015	170	170,000	200
TTU-2	Primary	11/23/2015	140	170,000	150
TTU-2	Primary	11/23/2015	140	170,000	150
TTU-2	Primary	2/25/2016	110	170,000	150
TTU-2	Primary	2/25/2016	110	170,000	150
TTU-2	Primary	6/1/2016	88.2	116,000	50.3
TTU-2	Primary	6/1/2016	88	120,000 J	50
TTU-2	Primary	8/18/2016	150	190,000	360
TTU-2	Primary	8/18/2016	150	190,000	360
TTU-2	Primary	11/22/2016	260	220,000	780
TTU-2	Primary	11/22/2016	260	220,000	780
TTU-2	Primary	2/22/2017	244	165,000	727
TTU-2	Primary	2/22/2017	244	170,000	727
TTU-2	Primary	5/23/2017	222	236,000	880
TTU-2	Primary	5/23/2017	222 J	240,000	880
TTU-2	Primary	8/29/2017	241	248,000	93.2
TTU-2	Duplicate	8/29/2017	227	261,000	89.7
TTU-2	Primary	8/29/2017	241	250,000	93
TTU-2	Duplicate	8/29/2017	227	260,000	90
TTU-2	Primary	11/27/2017	235	241,000	353
TTU-2	Primary	11/27/2017	235	240,000	353
TTU-2	Primary	3/27/2018	219	178,000	236
TTU-2	Duplicate	3/27/2018	152	--	274
TTU-2	Duplicate	3/27/2018	152	143,000 J	274
TTU-2	Primary	3/27/2018	219 J	180,000 J	236

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-2	Duplicate	3/27/2018	152 J	140,000 J	274
TTU-2	Primary	6/28/2018	246	196,000	498
TTU-2	Primary	6/28/2018	246	200,000	498
TTU-2	Primary	9/10/2018	246	190,000	433
TTU-2	Primary	9/10/2018	246	190,000	433
TTU-2	Primary	12/4/2018	232	168,000	288
TTU-2	Primary	12/4/2018	232	170,000	288
TTU-2	Primary	3/25/2019	313	180,000	364
TTU-2	Primary	9/16/2019	295	173,000	475
TTU-2	Primary	12/20/2019	211	223,000	711
TTU-2	Duplicate	12/20/2019	215	178,000	742
TTU-2	Primary	3/12/2020	227 J	186,000	511
TTU-2	Primary	6/18/2020	292	194,000	824
TTU-2	Primary	7/20/2020	156	181,000	959
TTU-2	Primary	12/2/2020	329	459 J	785
TTU-2	Primary	3/30/2021	196 J	187,000	656
TTU-2	Duplicate	3/30/2021	244 J	188,000	720
TTU-2	Primary	5/6/2021	316	178,000	683
TTU-2	Primary	7/29/2021	373	155,000	654
TTU-2	Primary	12/22/2021	280	171,000	627
TTU-2	Duplicate	12/22/2021	281	198,000	653
TTU-2	Primary	3/26/2022	251	151,000 M3	823
TTU-2	Primary	6/16/2022	246 Q	169,000 V	443
TTU-2	Primary	10/10/2022	170	157,000	596 M3
TTU-2	Primary	11/28/2022	230 V	179,000	643 V
TTU-2	Primary	2/23/2023	362	180,000	648
TTU-2	Primary	6/15/2023	239	150,000	406
TTU-2	Duplicate	6/15/2023	269	160,000	429
TTU-2	Primary	9/14/2023	234	170,000	566
TTU-2	Primary	9/14/2023	200	150,000	501
TTU-2	Primary	11/17/2023	221	150,000	561
TTU-2	Primary	2/13/2024	207	150,000	529
TTU-2	Primary	5/21/2024	251	150,000	500
TTU-2	Primary	8/28/2024	237	162,000	652
TTU-20	Primary	10/26/2020	567 J	206,000	4,480
TTU-20	Primary	10/26/2020	824 J	403,000	6,360
TTU-20	Primary	6/14/2021	1,450 J	559,000	11,200 J
TTU-20	Primary	9/23/2021	841 J	455,000	14,300
TTU-20	Primary	11/18/2021	2,140	526,000	13,400
TTU-20	Primary	6/16/2022	1,540 Q	454,000	10,800
TTU-20	Primary	9/3/2022	1,140 H1	528,000	13,200 L1
TTU-20	Duplicate	9/3/2022	1,250 H1	537,000	10,700
TTU-20	Primary	11/30/2022	1,490	581,000	12,400
TTU-20	Primary	2/25/2023	19,600	620,000	12,800
TTU-20	Primary	9/14/2023	499	< 4.0	2.4 E4
TTU-20	Primary	2/13/2024	378	85,900	1,860
TTU-20	Primary	5/21/2024	348	121,000	1,920
TTU-20	Primary	8/28/2024	375	74,900	3,190
TTU-3	Primary	11/13/2013	--	340	--
TTU-3	Primary	11/13/2013	--	340	--
TTU-3	Duplicate	11/13/2013	--	330	--
TTU-3	Duplicate	11/13/2013	--	320	--
TTU-3	Primary	8/26/2014	--	78.0	--
TTU-3	Primary	8/26/2014	--	78	--
TTU-3	Primary	11/18/2014	--	300	--
TTU-3	Primary	11/18/2014	--	300	--
TTU-3	Primary	12/23/2014	--	--	< 2.0
TTU-3	Primary	2/5/2015	< 2.0	500	< 2.0
TTU-3	Primary	5/18/2015	< 2.0	150	< 2.0
TTU-3	Primary	9/9/2015	< 2.0	60	< 2.0
TTU-3	Primary	11/23/2015	< 2.0	35	< 2.0
TTU-3	Primary	2/25/2016	< 2.0	50 S	< 2.0

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-3	Primary	6/1/2016	1.2 J	44 J	< 1.0
TTU-3	Primary	8/18/2016	< 2.0	50	< 2.0
TTU-3	Primary	11/22/2016	< 2.0	96	< 2.0
TTU-3	Primary	2/22/2017	< 1.0	240	< 1.0
TTU-3	Primary	5/23/2017	< 1.0	77	2.5
TTU-3	Primary	8/29/2017	< 1.0	120	< 1.0
TTU-3	Primary	11/27/2017	< 1.0	73	< 1.0
TTU-3	Primary	3/27/2018	< 3.0	249	< 0.40
TTU-3	Primary	3/27/2018	< 3.0	250	< 0.40
TTU-3	Primary	6/28/2018	< 3.0	22.8	< 0.40
TTU-3	Primary	6/28/2018	< 3.0	23	< 0.40
TTU-3	Primary	9/10/2018	< 3.0	42	< 0.40
TTU-3	Primary	9/10/2018	< 3.0	42	< 0.40
TTU-3	Primary	12/10/2018	< 3.0	43.3	< 0.40
TTU-3	Primary	12/10/2018	< 3.0	43	< 0.40
TTU-3	Primary	3/26/2019	< 3.0	67.8	< 1.0
TTU-3	Primary	6/7/2019	< 3.0	19.7	< 1.0
TTU-3	Primary	9/16/2019	< 3.00	14.3	< 1.00
TTU-3	Primary	12/23/2019	< 3.00	42.2	< 1.00
TTU-3	Primary	3/13/2020	< 3.00	107	< 1.00
TTU-3	Primary	6/18/2020	< 3.00	50.9	< 1.00
TTU-3	Primary	7/21/2020	< 3.00	20.5	< 1.00
TTU-3	Primary	12/4/2020	< 3.00	28.4 J-	< 1.00
TTU-3	Primary	3/29/2021	< 3.00	92.0	< 1.00
TTU-3	Primary	5/6/2021	< 3.00	33.8	< 1.00
TTU-3	Duplicate	5/6/2021	< 3.00	33.7	< 1.00
TTU-3	Primary	7/30/2021	< 3.00	7.16	< 1.00
TTU-3	Primary	11/18/2021	< 3.00	161	< 1.00
TTU-3	Primary	3/22/2022	< 3.00	339	0.454 E4
TTU-3	Primary	6/14/2022	< 3.00 U,J3	134	< 1.00 U,J3
TTU-3	Primary	9/9/2022	< 3.00	54.8	< 1.00
TTU-3	Primary	11/30/2022	< 3.00 U;J3	70.0	< 1.00
TTU-3	Duplicate	11/30/2022	< 3.00	78.2 V	< 1.00
TTU-3	Primary	2/25/2023	< 3.0	280	0.27 E4
TTU-3	Duplicate	2/25/2023	< 3.0	280	< 1.0
TTU-3	Primary	6/12/2023	< 3.0	< 4.0	< 1.0
TTU-3	Primary	9/5/2023	< 3.0	20	< 1.0
TTU-3	Primary	11/17/2023	9.2	11	< 1.0
TTU-3	Primary	2/12/2024	5.72	54.0	< 1.00
TTU-3	Primary	3/18/2024	< 3.00	--	--
TTU-3	Primary	5/21/2024	< 3.00	194	< 1.00
TTU-3	Primary	8/27/2024	16.9	33.6	< 1.00
TTU-4	Primary	11/13/2013	--	< 2.0	--
TTU-4	Duplicate	11/13/2013	--	< 2.0	--
TTU-4	Primary	8/26/2014	--	< 2.0	--
TTU-4	Primary	11/18/2014	--	6.5	--
TTU-4	Primary	12/23/2014	--	--	< 2.0
TTU-4	Primary	2/5/2015	< 2.0	< 2.0	< 2.0
TTU-4	Primary	5/18/2015	< 2.0	24	< 2.0
TTU-4	Primary	9/9/2015	< 2.0	< 2.0	< 2.0
TTU-4	Primary	11/23/2015	< 2.0	< 2.0	< 2.0
TTU-4	Duplicate	11/23/2015	< 2.0	< 2.0	< 2.0
TTU-4	Primary	2/25/2016	< 2.0	< 2.0	< 2.0
TTU-4	Duplicate	2/25/2016	< 2.0	< 2.0	< 2.0
TTU-4	Primary	6/1/2016	< 3.0	0.87 J	< 1.0
TTU-4	Duplicate	6/1/2016	< 3.0	0.91 J	< 1.0
TTU-4	Primary	8/18/2016	< 2.0	< 1.0	< 2.0
TTU-4	Duplicate	8/18/2016	< 2.0	< 1.0	< 2.0
TTU-4	Primary	11/22/2016	< 2.0	< 1.0	< 2.0
TTU-4	Duplicate	11/22/2016	< 2.0	< 1.0	< 2.0
TTU-4	Primary	2/22/2017	< 1.0	< 3.0	< 1.0
TTU-4	Duplicate	2/22/2017	< 1.0	< 3.0	< 1.0

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			3.5	3.2	5
TTU-4	Primary	5/23/2017	< 1.0	< 3.0	0.31 J
TTU-4	Duplicate	5/23/2017	< 1.0	< 3.0	< 1.0
TTU-4	Primary	8/29/2017	< 1.0	< 3.0 J	< 1.0
TTU-4	Duplicate	8/29/2017	< 1.0	27 J	< 1.0
TTU-4	Primary	11/27/2017	< 1.0	8.0	< 1.0
TTU-4	Duplicate	11/27/2017	< 1.0	20	< 1.0
TTU-4	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-4	Duplicate	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-4	Primary	6/28/2018	< 3.0	< 3.0	< 0.40
TTU-4	Duplicate	6/28/2018	< 3.0	< 3.0	< 0.40
TTU-4	Primary	9/10/2018	< 3.0	4.7	< 0.40
TTU-4	Duplicate	9/10/2018	< 3.0	< 3.0	< 0.40
TTU-4	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-4	Duplicate	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-4	Primary	3/26/2019	< 3.0	< 4.0	< 1.0
TTU-4	Primary	6/7/2019	< 3.0	1.94 J	< 1.0
TTU-4	Primary	9/16/2019	< 3.00	28.2 J-	< 1.00
TTU-4	Primary	12/23/2019	< 3.00	< 4.00	< 1.00
TTU-4	Primary	3/13/2020	< 3.00	< 4.00	< 1.00
TTU-4	Primary	6/18/2020	< 3.00	< 4.00	< 1.00
TTU-4	Primary	7/21/2020	< 3.00	1.85 J	< 1.00
TTU-4	Duplicate	7/21/2020	< 3.00	1.69 J	< 1.00
TTU-4	Primary	12/4/2020	< 3.00	< 4.00	< 1.00
TTU-4	Primary	3/29/2021	< 3.00	1.99 J	< 1.00
TTU-4	Primary	5/6/2021	< 3.00	5.89	< 1.00
TTU-4	Duplicate	5/6/2021	< 3.00	6.31	< 1.00
TTU-4	Primary	7/30/2021	< 3.00	1.97 J	< 1.00
TTU-4	Duplicate	7/30/2021	< 3.00	1.75 J	< 1.00
TTU-4	Primary	11/18/2021	< 3.00	< 4.00	< 1.00
TTU-4	Duplicate	3/21/2022	2.59 E4	12.5	< 1.00
TTU-4	Primary	3/22/2022	< 3.00	4.14 M2	< 1.00
TTU-4	Primary	6/14/2022	11.1	12.1 J6	< 1.00 U,J3
TTU-4	Primary	7/21/2022	< 3.00	--	< 1.00
TTU-4	Duplicate	7/21/2022	< 3.00	--	< 1.00
TTU-4	Primary	9/9/2022	< 3.00	2.57 E4	< 1.00
TTU-4	Primary	11/30/2022	1.84 J	1.72 J	< 1.00
TTU-4	Primary	2/25/2023	< 3.0	1.1 E4	< 1.0
TTU-4	Primary	6/12/2023	< 3.0	< 4.0	< 1.0
TTU-4	Primary	9/5/2023	< 3.0	< 4.0	< 1.0
TTU-4	Primary	11/17/2023	< 3.0	< 4.0	< 1.0
TTU-4	Primary	2/13/2024	< 3.00	< 4.00	< 1.00
TTU-4	Duplicate	2/13/2024	< 3.00	< 4.00	< 1.00
TTU-4	Primary	5/21/2024	< 3.00	< 4.00	< 1.00
TTU-4	Primary	8/27/2024	< 3.00	< 4.00	< 1.00
TTU-5	Primary	11/18/2014	--	7.0	--
TTU-5	Primary	12/23/2014	--	--	< 2.0
TTU-5	Primary	2/5/2015	< 2.0	26	< 2.0
TTU-5	Primary	5/18/2015	< 2.0	39	< 2.0
TTU-5	Primary	9/9/2015	< 2.0	37	< 2.0
TTU-5	Primary	11/23/2015	< 2.0	34	< 2.0
TTU-5	Primary	2/25/2016	< 2.0	33	< 2.0
TTU-5	Primary	6/1/2016	< 3.0	36 J	< 1.0
TTU-5	Primary	8/18/2016	< 2.0	34	< 2.0
TTU-5	Primary	11/22/2016	< 2.0	30	< 2.0
TTU-5	Primary	2/22/2017	< 1.0	35	< 1.0
TTU-5	Primary	5/23/2017	< 1.0	38	< 1.0
TTU-5	Primary	8/29/2017	< 1.0	70	< 1.0
TTU-5	Primary	11/27/2017	< 1.0	36	< 1.0
TTU-5	Primary	3/27/2018	< 3.0	36.7	< 0.40
TTU-5	Primary	3/27/2018	< 3.0	37	< 0.40
TTU-5	Primary	6/28/2018	< 3.0	33	< 0.40
TTU-5	Primary	6/28/2018	< 3.0	33	< 0.40
TTU-5	Primary	9/10/2018	< 3.0	30.8	< 0.40

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-5	Primary	9/10/2018	< 3.0	31	< 0.40
TTU-5	Primary	12/10/2018	< 3.0	33.1	< 0.40
TTU-5	Primary	12/10/2018	< 3.0	33	< 0.40
TTU-5	Primary	3/26/2019	< 3.0	40	< 1.0
TTU-5	Primary	6/7/2019	< 3.0	--	< 1.0
TTU-5	Primary	6/27/2019	--	44.1	--
TTU-5	Primary	9/16/2019	< 3.00	37.8	< 1.00
TTU-5	Primary	12/20/2019	3.54	40.6	< 1.00
TTU-5	Primary	3/12/2020	< 3.00	34.6	< 1.00
TTU-5	Primary	6/17/2020	< 3.00	40.8	< 1.00
TTU-5	Primary	7/20/2020	< 3.00	40.9	< 1.00
TTU-5	Primary	12/2/2020	< 3.00	43.9	0.877 J
TTU-5	Primary	3/30/2021	< 3.00	41.2	< 1.00
TTU-5	Primary	5/6/2021	< 3.00	40.0	< 1.00
TTU-5	Primary	7/29/2021	< 3.00	38.7	< 1.00
TTU-5	Primary	11/17/2021	< 3.00	40.1	< 1.00
TTU-5	Primary	3/21/2022	< 3.00	272	0.640 E4
TTU-5	Primary	6/13/2022	130	63.6	< 1.00
TTU-5	Primary	7/21/2022	< 3.00	--	< 1.00
TTU-5	Primary	9/8/2022	< 3.00	1.25 E4	< 1.00
TTU-5	Primary	11/29/2022	21.5	40.6	< 1.00
TTU-5	Primary	2/25/2023	< 3.0	42	< 1.0
TTU-5	Primary	6/13/2023	< 3.0	36	< 1.0
TTU-5	Primary	9/6/2023	< 3.0	41	< 1.0
TTU-5	Primary	11/17/2023	< 3.0	38	< 1.0
TTU-5	Duplicate	11/17/2023	< 3.0	38	< 1.0
TTU-5	Primary	2/13/2024	< 3.00	37.7	< 1.00
TTU-5	Primary	5/20/2024	< 3.00	38.7	< 1.00
TTU-5	Primary	8/28/2024	18.3	37.9	< 1.00
TTU-6	Primary	11/18/2014	--	180	--
TTU-6	Primary	12/23/2014	--	--	< 2.0
TTU-6	Primary	2/5/2015	< 2.0	11	< 2.0
TTU-6	Primary	5/18/2015	< 2.0	32	< 2.0
TTU-6	Primary	9/9/2015	< 2.0	190	< 2.0
TTU-6	Primary	11/23/2015	< 2.0	20	< 2.0
TTU-6	Primary	2/25/2016	< 2.0	5.8	< 2.0
TTU-6	Primary	6/1/2016	< 3.0	200 J	< 1.0
TTU-6	Primary	8/18/2016	< 2.0	40	< 2.0
TTU-6	Primary	11/22/2016	< 2.0	15	< 2.0
TTU-6	Primary	2/22/2017	< 1.0	16	< 1.0
TTU-6	Primary	5/23/2017	< 1.0	23	< 1.0
TTU-6	Primary	8/29/2017	< 1.0	92	0.38 J
TTU-6	Primary	11/27/2017	< 1.0	17	< 1.0
TTU-6	Primary	3/27/2018	< 3.0	31.7	< 0.40
TTU-6	Primary	3/27/2018	< 3.0	32	< 0.40
TTU-6	Primary	6/28/2018	< 3.0	88.7	< 0.40
TTU-6	Primary	6/28/2018	< 3.0	89	< 0.40
TTU-6	Primary	9/10/2018	< 3.0	13	< 0.40
TTU-6	Primary	9/10/2018	< 3.0	13	< 0.40
TTU-6	Primary	12/10/2018	< 3.0	35.3	< 0.40
TTU-6	Primary	12/10/2018	< 3.0	35	< 0.40
TTU-6	Primary	3/26/2019	< 3.0	0.92 J	< 1.0
TTU-6	Primary	6/7/2019	< 3.0	10.2	< 1.0
TTU-6	Duplicate	6/7/2019	< 3.0	9.60	< 1.0
TTU-6	Primary	9/16/2019	< 3.00	24.4 J+	< 1.00
TTU-6	Primary	12/23/2019	< 3.00	48.1	< 1.00
TTU-6	Primary	3/13/2020	< 3.00	10.2	< 1.00
TTU-6	Primary	6/18/2020	< 3.00	7.04	< 1.00
TTU-6	Primary	7/21/2020	< 3.00	8.16	< 1.00
TTU-6	Primary	12/4/2020	< 3.00	7.29	< 1.00
TTU-6	Primary	3/29/2021	< 3.00	7.80	< 1.00
TTU-6	Primary	5/6/2021	< 3.00	9.01	< 1.00
TTU-6	Primary	7/30/2021	< 3.00	< 4.00	< 1.00
TTU-6	Primary	11/18/2021	< 3.00	14.8	< 1.00

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-6	Primary	3/22/2022	< 3.00	11.1	< 1.00
TTU-6	Primary	6/14/2022	< 3.00 U,J3	7.15	< 1.00
TTU-6	Primary	9/9/2022	--	42.1	< 1.00
TTU-6	Primary	11/30/2022	< 3.00	144	< 1.00
TTU-6	Primary	12/22/2022	--	153	--
TTU-6	Primary	1/6/2023	--	140	--
TTU-6	Primary	2/25/2023	< 3.0	55 M3	0.22 E4
TTU-6	Primary	3/21/2023	--	21 M2	--
TTU-6	Primary	6/12/2023	< 3.0	35 M2	< 1.0
TTU-6	Primary	9/5/2023	< 3.0	21 M1	< 1.0
TTU-6	Primary	11/17/2023	< 3.0	13	< 1.0
TTU-6	Primary	2/12/2024	< 3.00	18.1	< 1.00
TTU-6	Primary	5/21/2024	< 3.00	17.4 J+	< 1.00
TTU-6	Primary	8/27/2024	< 3.00	309	1.31
TTU-6	Primary	9/26/2024	--	246	--
TTU-7	Primary	11/18/2014	--	6.8	--
TTU-7	Duplicate	11/18/2014	--	< 4.0	--
TTU-7	Primary	12/23/2014	--	--	< 2.0
TTU-7	Primary	2/5/2015	< 2.0	5.5 J	< 2.0
TTU-7	Duplicate	2/5/2015	< 2.0	14 J	< 2.0
TTU-7	Primary	5/18/2015	< 2.0	18 J	< 2.0
TTU-7	Duplicate	5/18/2015	--	33 J	< 2.0
TTU-7	Primary	9/9/2015	< 2.0	5.7	< 2.0
TTU-7	Primary	11/23/2015	< 2.0	5.1	< 2.0
TTU-7	Primary	2/25/2016	< 2.0	4.6	< 2.0
TTU-7	Primary	6/1/2016	< 3.0	7.3 J	< 1.0
TTU-7	Primary	8/18/2016	2.5	4.2	< 2.0
TTU-7	Duplicate	8/18/2016	< 2.0	--	--
TTU-7	Primary	11/22/2016	< 2.0	2.0	< 2.0
TTU-7	Primary	2/22/2017	< 1.0	< 3.0	< 1.0
TTU-7	Primary	5/23/2017	< 1.0	< 3.0	< 1.0
TTU-7	Primary	8/29/2017	< 1.0	< 3.0	< 1.0
TTU-7	Primary	11/27/2017	< 1.0	< 6.0	< 1.0
TTU-7	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-7	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-7	Primary	6/28/2018	< 3.0	< 3.0	< 0.40
TTU-7	Primary	6/28/2018	< 3.0	< 3.0	< 0.40
TTU-7	Primary	9/10/2018	< 3.0	< 6.0	< 0.40
TTU-7	Primary	9/10/2018	< 3.0	< 6.0	< 0.40
TTU-7	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-7	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-7	Primary	3/26/2019	< 3.0	19.7 J	< 1.0
TTU-7	Duplicate	3/26/2019	< 3.0	88.2 J	< 1.0
TTU-7	Primary	6/7/2019	< 3.0	< 4.0	< 1.0
TTU-7	Primary	9/16/2019	< 3.00	3.36 J	< 1.00
TTU-7	Primary	12/23/2019	< 3.00	< 4.00	< 1.00
TTU-7	Primary	3/13/2020	< 3.00	< 4.00	< 1.00
TTU-7	Primary	6/18/2020	< 3.00	< 4.00	< 1.00
TTU-7	Primary	7/21/2020	< 3.00	< 4.00 J	< 1.00
TTU-7	Primary	12/4/2020	< 3.00	< 20.0	< 1.00
TTU-7	Primary	3/29/2021	< 3.00	< 4.00	< 1.00
TTU-7	Primary	5/6/2021	< 3.00	5.93	< 1.00
TTU-7	Primary	7/30/2021	< 3.00	< 40.0	< 1.00
TTU-7	Primary	11/18/2021	< 3.00	10.5 J	< 1.00
TTU-7	Primary	3/22/2022	< 3.00	2.36 E4	< 1.00
TTU-7	Primary	6/14/2022	< 3.00 U,J3	1.90 J	< 1.00 U,J3
TTU-7	Primary	9/9/2022	< 3.00	1.04 E4	< 1.00
TTU-7	Primary	11/30/2022	< 3.00	< 4.00	< 1.00
TTU-7	Primary	2/25/2023	< 3.0	< 4.0	< 1.0
TTU-7	Primary	6/12/2023	< 3.0	< 4.0	< 1.0
TTU-7	Duplicate	6/12/2023	< 3.0	< 4.0	< 1.0
TTU-7	Primary	9/5/2023	< 3.0	< 4.0	< 1.0

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			3.5	3.2	5
TTU-7	Primary	11/17/2023	< 3.0	< 4.0	< 1.0
TTU-7	Primary	2/12/2024	< 3.00	< 4.00	< 1.00
TTU-7	Primary	5/21/2024	< 3.00	< 4.00	< 1.00
TTU-7	Primary	8/27/2024	< 3.00	< 4.00	< 1.00
TTU-8	Primary	7/21/2016	< 2.0	< 1.0	< 2.0
TTU-8	Primary	8/18/2016	< 2.0	< 1.0	< 2.0
TTU-8	Primary	11/22/2016	< 2.0	< 1.0	< 2.0
TTU-8	Primary	2/22/2017	< 1.0	< 3.0	< 1.0
TTU-8	Primary	5/23/2017	< 1.0	< 3.0	< 1.0
TTU-8	Primary	8/29/2017	< 1.0	< 3.0	< 1.0
TTU-8	Primary	11/27/2017	< 1.0	< 6.0	< 1.0
TTU-8	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-8	Primary	3/27/2018	< 3.0	< 3.0	< 0.40
TTU-8	Primary	6/28/2018	< 3.0	11.7	< 0.40
TTU-8	Primary	6/28/2018	< 3.0	12	< 0.40
TTU-8	Primary	9/10/2018	< 3.0	< 6.0	< 0.40
TTU-8	Primary	9/10/2018	< 3.0	< 6.0	< 0.40
TTU-8	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-8	Primary	12/10/2018	< 3.0	< 3.0	< 0.40
TTU-8	Primary	3/26/2019	< 3.0	< 4.0	< 1.0
TTU-8	Primary	6/7/2019	< 3.0	< 4.0	< 1.0
TTU-8	Primary	9/16/2019	< 3.00	1.96 J	< 1.00
TTU-8	Primary	12/23/2019	< 3.00	< 4.00	< 1.00
TTU-8	Primary	3/16/2020	< 3.00	3.06 J	< 1.00
TTU-8	Duplicate	3/16/2020	< 3.00	2.50 J	< 1.00
TTU-8	Primary	6/18/2020	< 3.00	< 4.00 J	< 1.00
TTU-8	Duplicate	6/18/2020	< 3.00	2.16 J	< 1.00
TTU-8	Primary	7/21/2020	< 3.00	< 4.00	< 1.00
TTU-8	Primary	12/4/2020	< 3.00	< 4.00	< 1.00
TTU-8	Primary	3/29/2021	< 3.00	< 4.00	< 1.00
TTU-8	Primary	5/6/2021	< 3.00	1.64 J	< 1.00
TTU-8	Primary	7/30/2021	< 3.00	< 4.00	< 1.00
TTU-8	Primary	11/18/2021	< 3.00	< 4.00	< 1.00
TTU-8	Primary	3/22/2022	< 3.00	0.981 E4	< 1.00
TTU-8	Primary	6/14/2022	< 3.00	1.84 J	< 1.00
TTU-8	Primary	9/9/2022	< 3.00	< 4.00	< 1.00
TTU-8	Duplicate	9/9/2022	< 3.00	0.614 E4	< 1.00
TTU-8	Primary	11/30/2022	< 3.00	1.77 J	< 1.00
TTU-8	Primary	2/25/2023	< 3.0	0.39 E4	< 1.0
TTU-8	Primary	6/12/2023	< 3.0	< 4.0	< 1.0
TTU-8	Primary	9/5/2023	< 3.0	< 4.0	< 1.0
TTU-8	Primary	9/6/2023	--	< 4.0	< 1.0
TTU-8	Primary	11/17/2023	< 3.0	< 4.0	< 1.0
TTU-8	Duplicate	11/17/2023	< 3.0	< 4.0	< 1.0
TTU-8	Primary	2/14/2024	< 3.00	< 4.00	< 1.00
TTU-8	Primary	5/21/2024	< 3.00	< 4.00	< 1.00
TTU-8	Primary	8/27/2024	< 3.00	< 4.00	< 1.00
TTU-9A	Primary	7/21/2016	< 2.0	2.3	< 2.0
TTU-9A	Primary	8/18/2016	< 2.0	6.6	< 2.0
TTU-9A	Primary	11/22/2016	< 2.0	5.1	< 2.0
TTU-9A	Primary	2/22/2017	< 1.0	6.4	< 1.0
TTU-9A	Primary	5/23/2017	< 1.0	8.8	< 1.0
TTU-9A	Primary	8/29/2017	< 1.0	8.1	< 1.0
TTU-9A	Primary	11/27/2017	< 1.0	6.5	< 1.0
TTU-9A	Primary	3/27/2018	< 3.0	6.6	< 0.40
TTU-9A	Primary	6/28/2018	< 3.0	8.5	< 0.40
TTU-9A	Primary	9/10/2018	< 3.0	7.5	< 0.40
TTU-9A	Primary	12/10/2018	< 3.0	8.5	< 0.40
TTU-9A	Primary	3/26/2019	< 3.0	7.53	< 1.0
TTU-9A	Primary	6/7/2019	< 3.0	8.14	< 1.0
TTU-9A	Primary	9/16/2019	< 3.00	12.6 J-	< 1.00
TTU-9A	Primary	12/20/2019	1.01 J	9.21 J+	< 1.00

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-9A	Primary	3/12/2020	11.9 J	7.97	< 1.00
TTU-9A	Primary	6/17/2020	< 3.00	12.9 J-	< 1.00
TTU-9A	Primary	7/20/2020	< 3.00	9.59	< 1.00
TTU-9A	Primary	12/2/2020	< 3.00	8.46 J+	6.46 J
TTU-9A	Primary	3/30/2021	< 3.00	8.21	7.53
TTU-9A	Primary	5/6/2021	< 3.00	7.19	4.76
TTU-9A	Primary	7/29/2021	< 3.00	15.9 J+	2.75
TTU-9A	Primary	11/17/2021	< 3.00	6.41	0.911 J
TTU-9A	Duplicate	11/17/2021	< 3.00	6.59	0.985 J
TTU-9A	Primary	3/22/2022	< 3.00	12.9 M2	0.944 E4
TTU-9A	Primary	6/13/2022	4.82	7.02 J5	< 1.00
TTU-9A	Primary	7/21/2022	< 3.00	--	0.221 J
TTU-9A	Primary	9/8/2022	< 3.00	6.57	< 1.00
TTU-9A	Primary	11/29/2022	< 3.00	5.75	< 1.00
TTU-9A	Primary	2/23/2023	18	8.8	< 1.0
TTU-9A	Primary	3/21/2023	< 3.0	--	< 1.0
TTU-9A	Duplicate	6/12/2023	< 3.0	6.7	< 1.0
TTU-9A	Primary	6/13/2023	< 3.0	6.4	< 1.0
TTU-9A	Primary	9/6/2023	< 3.0	5.8	< 1.0
TTU-9A	Primary	11/17/2023	< 3.0	5.6	< 1.0
TTU-9A	Primary	2/13/2024	< 3.00	6.06	< 1.00
TTU-9A	Primary	5/20/2024	< 3.00	< 20.0	< 1.00
TTU-9A	Duplicate	5/20/2024	< 3.00	< 20.0	< 1.00
TTU-9A	Primary	8/28/2024	< 3.00	< 4.00 J	< 1.00
TTU-9A	Duplicate	8/28/2024	< 3.00	4.24 J	< 1.00
TTU-EX-1	Primary	3/13/2020	24.5	113,000	265
TTU-EX-1	Primary	6/17/2020	284	126,000	168
TTU-EX-1	Primary	7/20/2020	207	125,000	163
TTU-EX-1	Primary	12/2/2020	466	108,000	240
TTU-EX-1	Primary	3/29/2021	340 J	109,000	262
TTU-EX-1	Primary	5/5/2021	258	111,000	286
TTU-EX-1	Primary	7/29/2021	702	94,700	372
TTU-EX-1	Primary	11/17/2021	112	219,000	79.0
TTU-EX-1	Primary	3/21/2022	244	153,000	181
TTU-EX-1	Primary	6/13/2022	324 J3	58,500	174
TTU-EX-1	Primary	9/8/2022	68.2	86,300	75.1
TTU-EX-1	Primary	11/29/2022	105	97,100	59.1
TTU-EX-1	Primary	2/23/2023	251	120,000	127
TTU-EX-1	Primary	6/13/2023	220	93,000	161 L1
TTU-EX-1	Primary	9/6/2023	202	94,000	194
TTU-EX-1	Primary	9/6/2023	163	100,000	195
TTU-EX-1	Primary	11/18/2023	351	70,000 M3	182
TTU-EX-1	Primary	2/13/2024	326	90,000	241
TTU-EX-1	Primary	5/20/2024	293	82,000	226
TTU-EX-1	Primary	8/27/2024	556	86,100	259
TTU-EX-2	Primary	3/13/2020	198 J	75,000	327
TTU-EX-2	Primary	6/17/2020	405	90,100	549
TTU-EX-2	Primary	7/20/2020	212	96,400	561
TTU-EX-2	Primary	12/2/2020	424	104,000	506
TTU-EX-2	Primary	3/30/2021	334 J	106,000	634
TTU-EX-2	Primary	5/5/2021	218	101,000	536
TTU-EX-2	Primary	7/29/2021	523	106,000	630
TTU-EX-2	Primary	11/17/2021	158	66,900	238
TTU-EX-2	Primary	3/21/2022	213	58,900	234
TTU-EX-2	Primary	6/13/2022	189 J3	60,200	315
TTU-EX-2	Primary	9/8/2022	74.9	19,300	68.1
TTU-EX-2	Primary	11/29/2022	143	47,700	197
TTU-EX-2	Primary	2/23/2023	162	66,000	166
TTU-EX-2	Duplicate	2/23/2023	197	610,000	143
TTU-EX-2	Primary	6/13/2023	236 M3	74,000	338 L1
TTU-EX-2	Primary	9/6/2023	191	87,000	433
TTU-EX-2	Primary	11/18/2023	266	84,000	329

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-EX-2	Primary	2/13/2024	256	93,200	415
TTU-EX-2	Primary	5/20/2024	223	75,700	375
TTU-EX-2	Primary	8/27/2024	250	91,000	465
TTU-EX-3	Primary	3/13/2020	175 J	468,000	5,960
TTU-EX-3	Primary	6/17/2020	785	390,000	6,050
TTU-EX-3	Primary	7/20/2020	610	363,000	7,390
TTU-EX-3	Primary	12/2/2020	805 J-	435,000	5,970 J
TTU-EX-3	Primary	3/30/2021	697	441,000	5,560
TTU-EX-3	Primary	5/5/2021	536	434,000	5,540
TTU-EX-3	Primary	7/29/2021	1,010	430,000	7,260
TTU-EX-3	Primary	11/17/2021	909	434,000	8,120
TTU-EX-3	Duplicate	11/17/2021	969	469,000	8,010
TTU-EX-3	Primary	3/21/2022	885	359,000	6,560
TTU-EX-3	Primary	6/13/2022	863 J3	375,000	6,020
TTU-EX-3	Primary	9/8/2022	741	406,000	7,220
TTU-EX-3	Primary	11/29/2022	735	497,000	6,620
TTU-EX-3	Primary	2/23/2023	916	90,000	6,520
TTU-EX-3	Duplicate	6/12/2023	721	440,000 H1	7,580 L1
TTU-EX-3	Primary	6/13/2023	761	430,000	7,690 L1
TTU-EX-3	Primary	9/6/2023	598	460,000	8,100
TTU-EX-3	Primary	11/18/2023	1,490	460,000	6,890
TTU-EX-3	Primary	2/12/2024	523	468,000	5,930
TTU-EX-3	Primary	5/20/2024	517	511,000	7,320
TTU-EX-3	Duplicate	5/20/2024	676	537,000	7,070
TTU-EX-3	Primary	8/27/2024	813	513,000	8,500
TTU-EX-3	Duplicate	8/27/2024	624	526,000	8,530
TTU-EX-4	Primary	3/13/2020	16.1	95,500	811
TTU-EX-4	Primary	6/17/2020	23.7	75,000	1,040
TTU-EX-4	Primary	7/20/2020	18.1	130,000	934
TTU-EX-4	Primary	12/2/2020	20.7	101,000	501
TTU-EX-4	Primary	3/30/2021	16.3	88,400	486
TTU-EX-4	Primary	5/5/2021	12.8	83,100	420
TTU-EX-4	Primary	7/29/2021	29.0	77,300	461
TTU-EX-4	Primary	11/17/2021	16.1	86,700	755
TTU-EX-4	Primary	3/21/2022	23.9	86,100	909
TTU-EX-4	Primary	6/13/2022	27.4	88,300	579
TTU-EX-4	Duplicate	6/13/2022	26.1	94,700	635
TTU-EX-4	Primary	9/8/2022	41.4	88,200	698
TTU-EX-4	Primary	11/29/2022	51.5	98,700	612
TTU-EX-4	Primary	2/23/2023	17	95,000	836
TTU-EX-4	Primary	6/13/2023	14	85,000	970 L1
TTU-EX-4	Primary	9/7/2023	12	91,000	742
TTU-EX-4	Primary	9/7/2023	20	90,000	698
TTU-EX-4	Primary	11/18/2023	9.8	81,000	673
TTU-EX-4	Primary	2/12/2024	15.9	85,600	588
TTU-EX-4	Primary	5/20/2024	15.5	88,300	677
TTU-EX-4	Primary	8/28/2024	35.2	85,600	686
TTU-EX-5	Primary	3/13/2020	< 0.476	289 J	0.929 J
TTU-EX-5	Duplicate	3/13/2020	< 0.492	158 J	0.775 J
TTU-EX-5	Primary	6/17/2020	< 3.00	3.31 J	0.456 J
TTU-EX-5	Primary	7/20/2020	< 3.00	< 4.00	0.562 J
TTU-EX-5	Duplicate	7/20/2020	< 3.00	< 4.00	0.637 J
TTU-EX-5	Primary	12/2/2020	< 3.00	< 4.00	4.18 J
TTU-EX-5	Duplicate	12/2/2020	< 3.00	< 4.00	3.89 J
TTU-EX-5	Primary	3/30/2021	< 3.00	< 20.0 J	6.53
TTU-EX-5	Primary	5/5/2021	< 3.00	< 4.00	5.52
TTU-EX-5	Primary	7/29/2021	< 3.00	< 4.00	5.51
TTU-EX-5	Primary	11/17/2021	< 3.00	< 4.00	6.91
TTU-EX-5	Primary	3/21/2022	< 3.00	9.17	5.74
TTU-EX-5	Duplicate	3/21/2022	< 3.00	< 4.00	5.98
TTU-EX-5	Primary	6/13/2022	< 3.00	< 4.00	5.58
TTU-EX-5	Primary	9/8/2022	2.16 E4	< 4.00	4.96

TABLE 5:
HISTORIC 1,4-DIOXANE, PERCHLORATE, AND TCE CONCENTRATIONS
FORMER THERMAL TREATMENT UNIT
NAMMO DEFENSE SYSTEMS INC.

Geosyntec consultants

Location	Sample Type	Date Sampled	1,4-Dioxane	Perchlorate	Trichloroethene (TCE)
			µg/L		
Screening Level			**3.5**	**3.2**	**5**
TTU-EX-5	Duplicate	9/8/2022	< 3.00	< 4.00	5.06
TTU-EX-5	Primary	11/29/2022	3.40 B	1.44 J;P1	4.51
TTU-EX-5	Primary	2/23/2023	< 3.0	< 4.0	4.5
TTU-EX-5	Primary	6/12/2023	< 3.0	< 4.0	4.0 L1
TTU-EX-5	Primary	9/7/2023	< 3.0	< 4.0	3.5
TTU-EX-5	Primary	11/17/2023	< 3.0	< 4.0	3.7
TTU-EX-5	Primary	2/13/2024	9.87	< 4.00	3.57
TTU-EX-5	Duplicate	2/13/2024	< 3.00	< 4.00	3.08
TTU-EX-5	Primary	5/20/2024	< 3.00	< 4.00	3.00 J
TTU-EX-5	Primary	8/28/2024	3.24	< 4.00	2.78

Notes:

µg/L - micrograms per liter

'-- No sample collected

< - Concentration is below laboratory reporting limits

V = The sample concentration is too high to evalulate accurate spike recoveries

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J3 = The associated batch QC was outside the established quality control range for precision

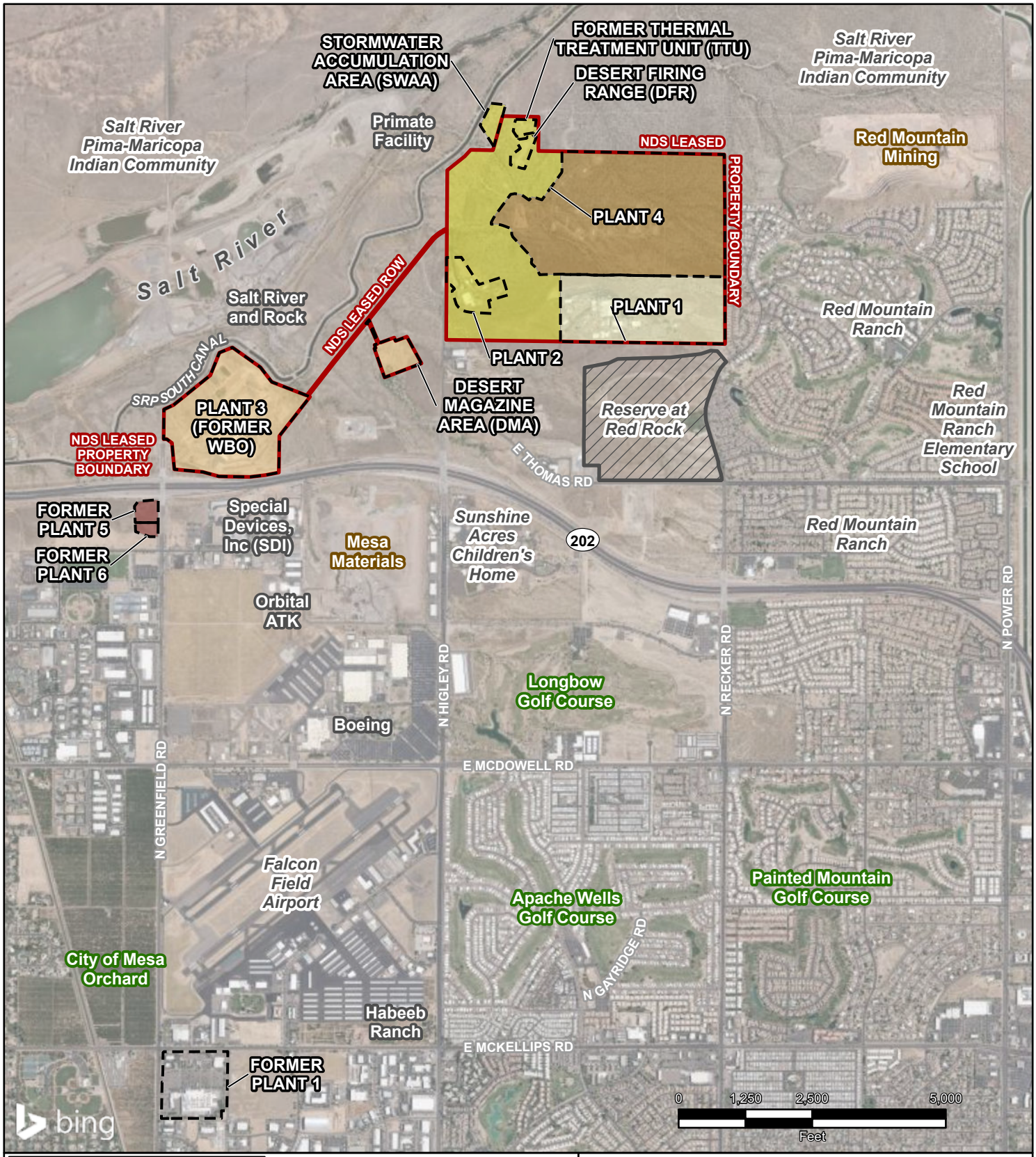
J4 = The associarred batch QC was outside the established quality control range for accuracy

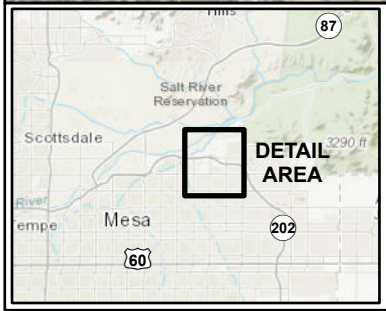
T8 = Method used not listed in 40 CFR 136; alternate method chosen as acceptable per permit.

R7 = LFB/LFBD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria

Q = Sample was prepared and/or analyzed past holding time as defined in the method. Concentration should be considered minimum values

FIGURES





- OPERABLE UNIT 1 (OU-1)
- OPERABLE UNIT 2 (OU-2)
- OPERABLE UNIT 3 (OU-3)
- OPERABLE UNIT 4 (OU-4)
- OPERABLE UNIT 5 (OU-5)

ROW: Right-of-Way
SRP: Salt River Project
WBO: Water Bore-Out

N

Site Location

Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 1

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx 11/15/2024 SWolfskill

Salt River

Southern Canal Service Rd

South Canal

Nammo Defense Systems

TTU-8 1195.43

TTU-4 1255.21

TTU-9A 1294.71

TTU-13 1269.35

TTU-1 1270.70

TTU-7 1171.86

TTU-6 1188.26

TTU-3 1227.31

TTU-EX-1 1289.38

TTU-17 1305.38

TTU-EX-2 1275.98

TTU-14 1259.88

TTU-12 1241.56

TTU-EX-3 1274.87

TTU-2 1253.63

TTU-15 1314.36

TTU-16 1311.26

PF-2 NM

PF-1 NM

TTU-10 1136.55

TTU-11 1298.97

TTU-19 1298.37

TTU-20 1284.04

TTU-EX-4 1274.25

TTU-EX-5 1277.39

TTU-5 1235.02

TTU-18 DRY

0.127

bing

IMAGERY SOURCE: Bing Maps Imagery ©Microsoft Corporation

GROUNDWATER MONITORING LOCATIONS

- MONITORING WELL
- PRIMATE FACILITY WELL
- EXTRACTION WELL
- GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL = 10 FEET)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND GRADIENT (FEET PER FOOT)

- FORMER TTU BOUNDARY
- NDS LEASED PROPERTY BOUNDARY WITH SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

LOCATION ID

TTU-16 1311.26

GROUNDWATER ELEVATION (feet above mean sea level)

- Groundwater elevations were measured on 8/27/2024 and 8/28/2024

NM: Not Measured

N

0 120 240 480

Feet

Groundwater Elevations August 2024

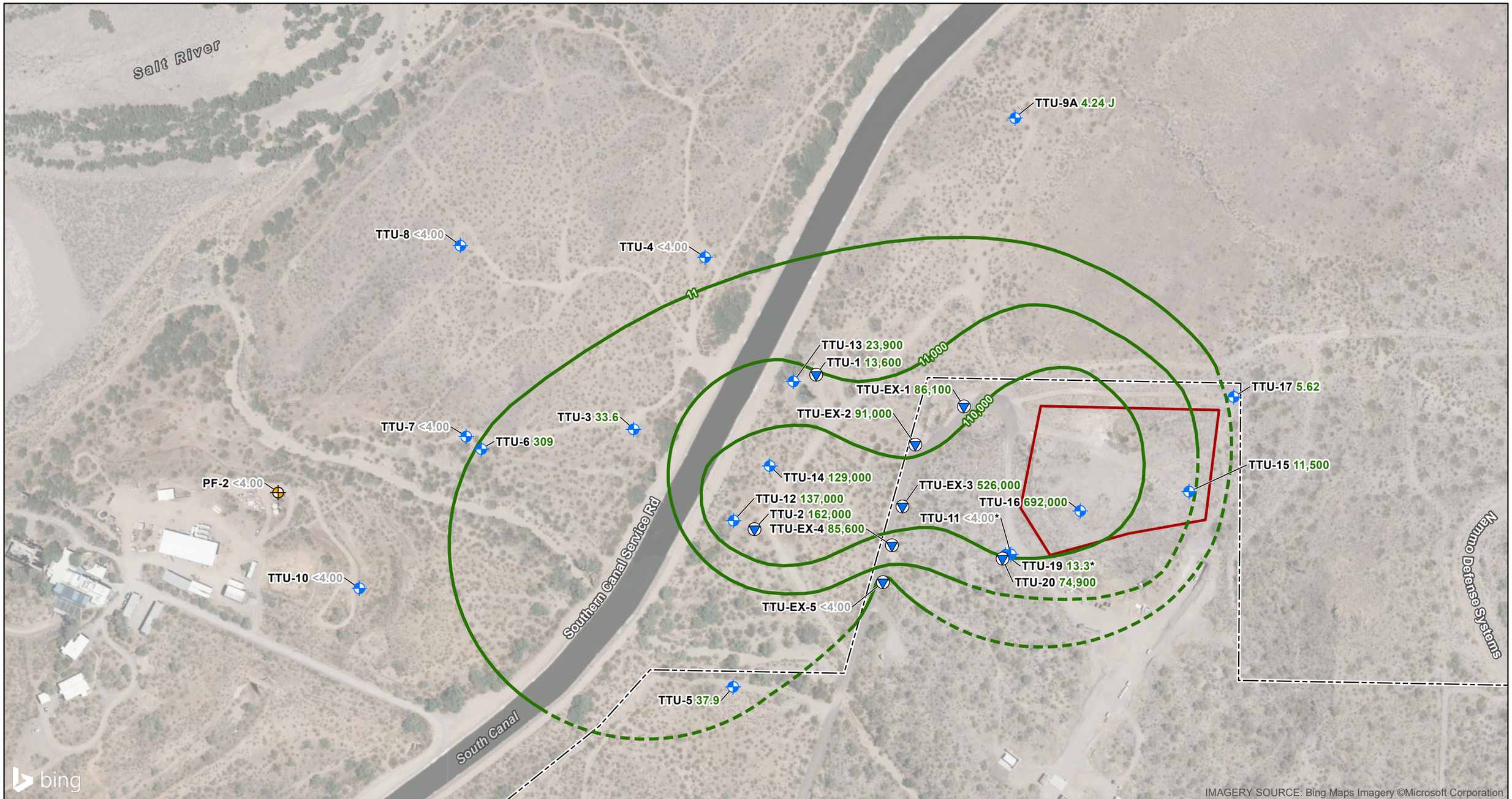
Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 2

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx\NDS_TTU_2024Q3_Fig2_GWE 11/15/2024 10:47 AM SWolfskill



GROUNDWATER MONITORING LOCATIONS

- MONITORING WELL
- PRIMATE FACILITY WELL
- EXTRACTION WELL
- PERCHLORATE ISOCONCENTRATION (µg/l)
- PERCHLORATE ISOCONCENTRATION, INFERRED (µg/l)
- FORMER TTU BOUNDARY
- NDS LEASED PROPERTY BOUNDARY WITH SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

- Perchlorate was sampled on 8/27/2024 and 8/28/2024
- <4.00 indicates a result not detected above the minimum laboratory reporting limit
- Site bspecific screening level for Perchlorate is 14 µg/l.
* Not used for contouring.

J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
µg/l: micrograms per liter

LOCATION ID
TTU-1 13,600
PERCHLORATE CONCENTRATION (µg/l)

N

0 100 200 400
Feet

Perchlorate Isoconcentrations August 2024

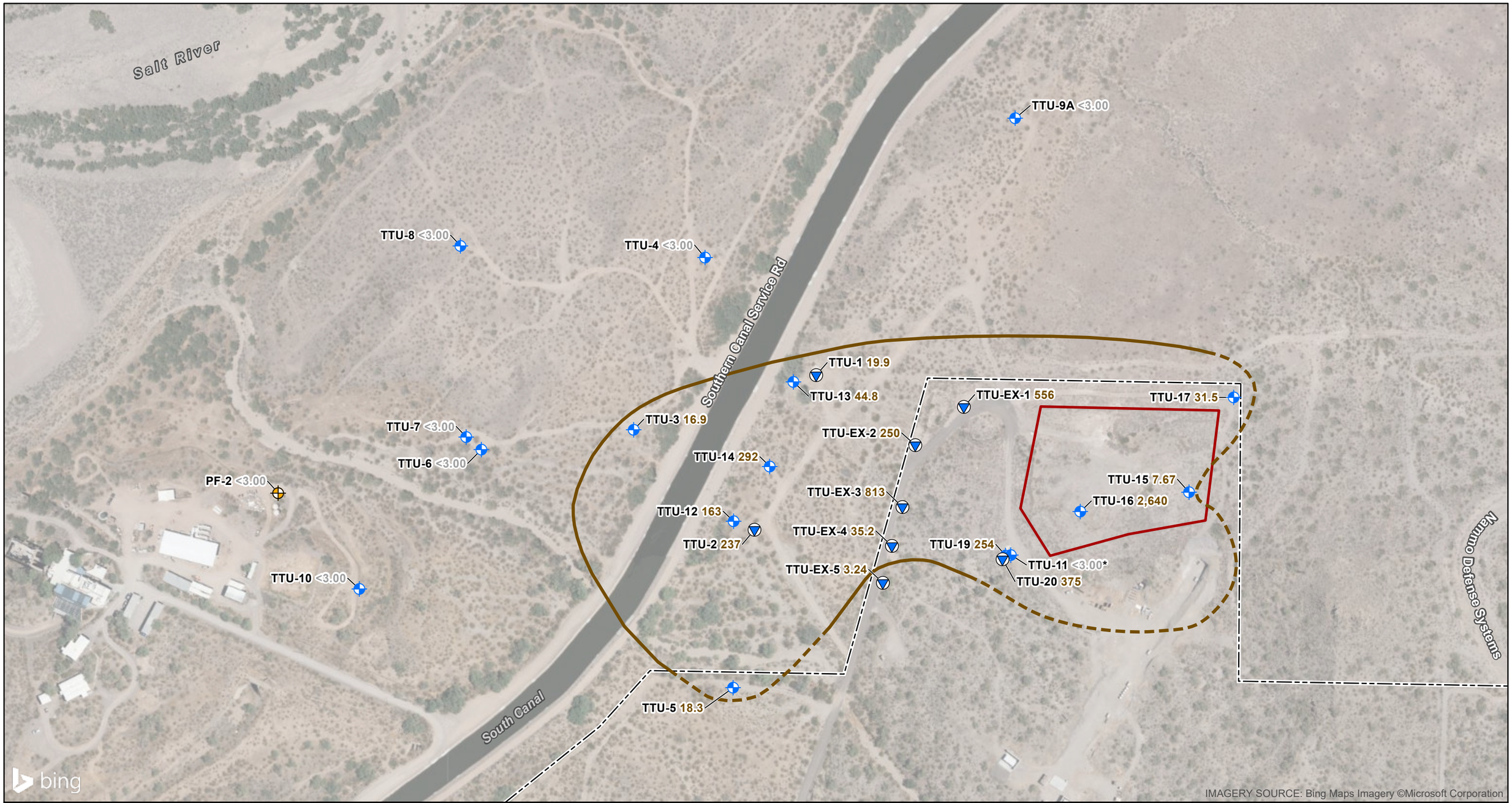
Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 3

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx\NDS_TTU_2024Q3_Fig3_CIO4 11/15/2024 10:47 AM SWolfskill



GROUNDWATER MONITORING LOCATIONS

- MONITORING WELL
- PRIMATE FACILITY WELL
- EXTRACTION WELL
- 1,4 DIOXANE ISOCONCENTRATION (µg/l)
- 1,4 DIOXANE ISOCONCENTRATION, INFERRED (µg/l)
- FORMER TTU BOUNDARY
- NDS LEASED PROPERTY BOUNDARY WITH SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

- 1,4 Dioxane was sampled on 8/27/2024 and 8/28/2024
- <3.00 indicates a result not detected above the minimum laboratory reporting limit
- Site specific screening level for 1,4 Dioxane is 5 µg/l.

* Not used for contouring.

µg/l: micrograms per liter

LOCATION ID
TTU-1 19.9
1,4 DIOXANE CONCENTRATION (µg/l)

N

0 100 200 400
Feet

1,4 Dioxane Isoconcentration August 2024

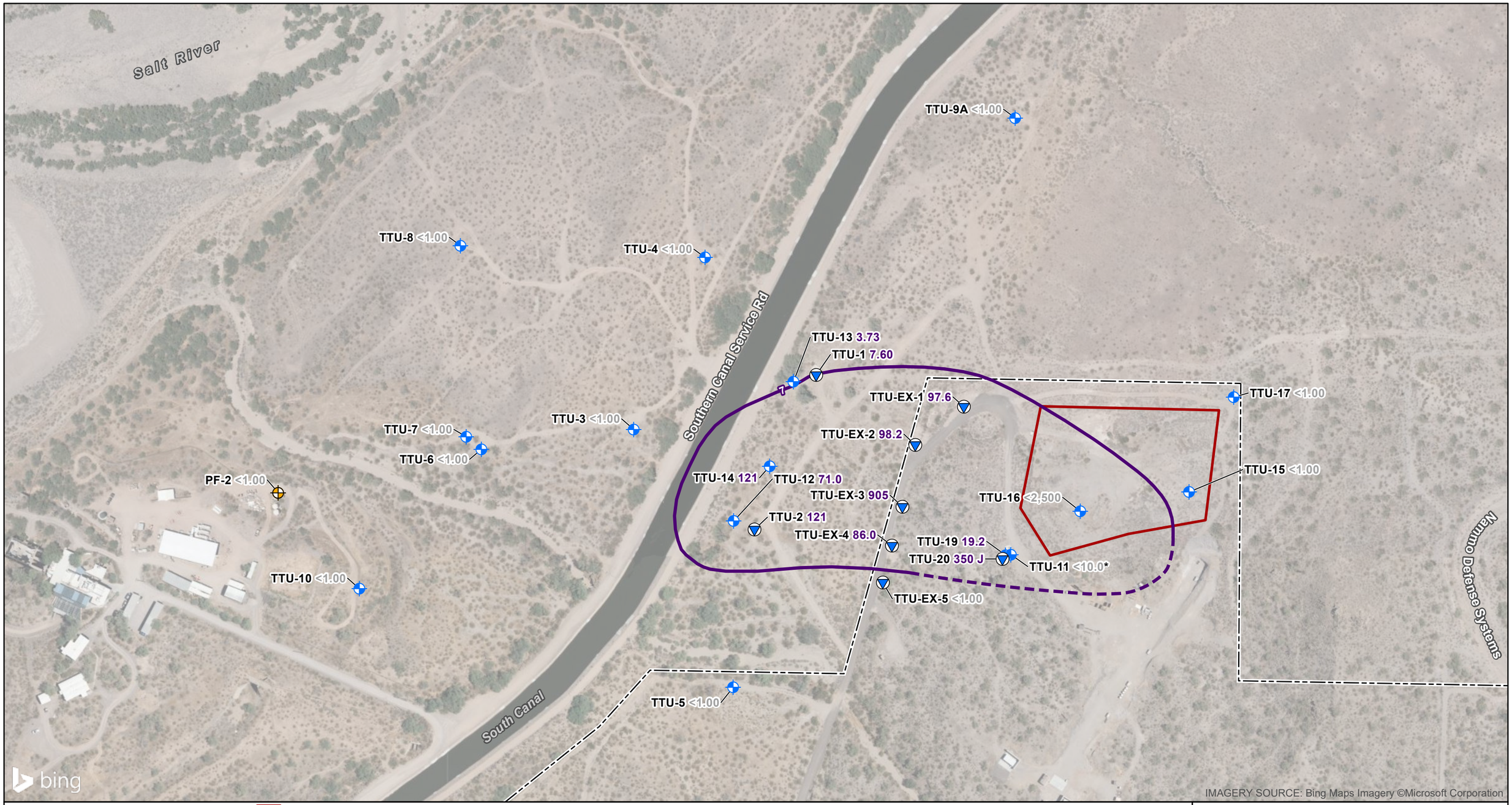
Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 4

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx\NDS_TTU_2024Q3_Fig4_14DOX 11/15/2024 11:05 AM SWolfskill



GROUNDWATER MONITORING LOCATIONS

- MONITORING WELL
- PRIMATE FACILITY WELL
- EXTRACTION WELL
- 1,1-DCE ISOCONCENTRATION (µg/l)
- 1,1-DCE ISOCONCENTRATION, INFERRED (µg/l)
- FORMER TTU BOUNDARY
- NDS LEASED PROPERTY BOUNDARY WITH SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

- 1,1-dichloroethene was sampled on 8/27/2024 and 8/28/2024
- <1.00 indicates a result not detected above the minimum laboratory reporting limit
- Arizona Aquifer Water Quality Standard for 1,1-dichloroethene is 7 µg/l.

* Not used for contouring.

J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample

1,1-DCE: 1,1-dichloroethene

µg/l: micrograms per liter

LOCATION ID
TTU-1 7.60
1,1 DCE CONCENTRATION (µg/l)

N

0 100 200 400
Feet

1,1-Dichloroethene Isoconcentration August 2024

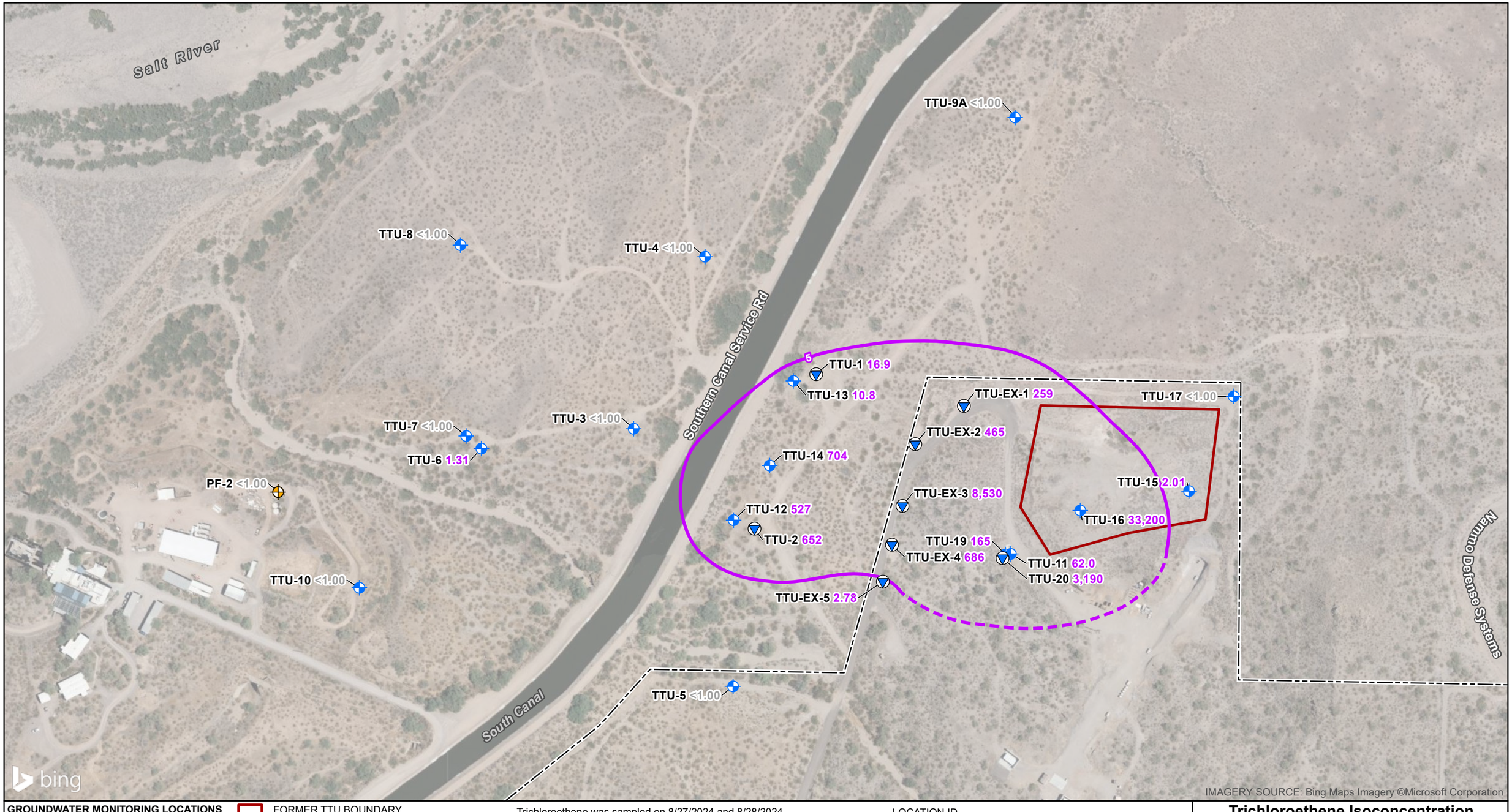
Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 5

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx\NDS_TTU_2024Q3_Fig5_11DCE 11/15/2024 10:47 AM SWolfskill



GROUNDWATER MONITORING LOCATIONS

- MONITORING WELL
- PRIMATE FACILITY WELL
- EXTRACTION WELL
- TCE ISOCONCENTRATION (µg/l)
- TCE ISOCONCENTRATION, INFERRED (µg/l)
- FORMER TTU BOUNDARY
- NDS LEASED PROPERTY BOUNDARY WITH SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

- Trichloroethene was sampled on 8/27/2024 and 8/28/2024.
- <1.00 indicates a result not detected above the minimum laboratory reporting limit.
- Arizona Health Based Guidance Level for Trichloroethene is 5 µg/l.

TCE: Trichloroethene
µg/l: micrograms per liter

LOCATION ID
TTU-1 16.9
TCE CONCENTRATION (µg/l)

N

0 100 200 400
Feet

Trichloroethene Isoconcentration August 2024

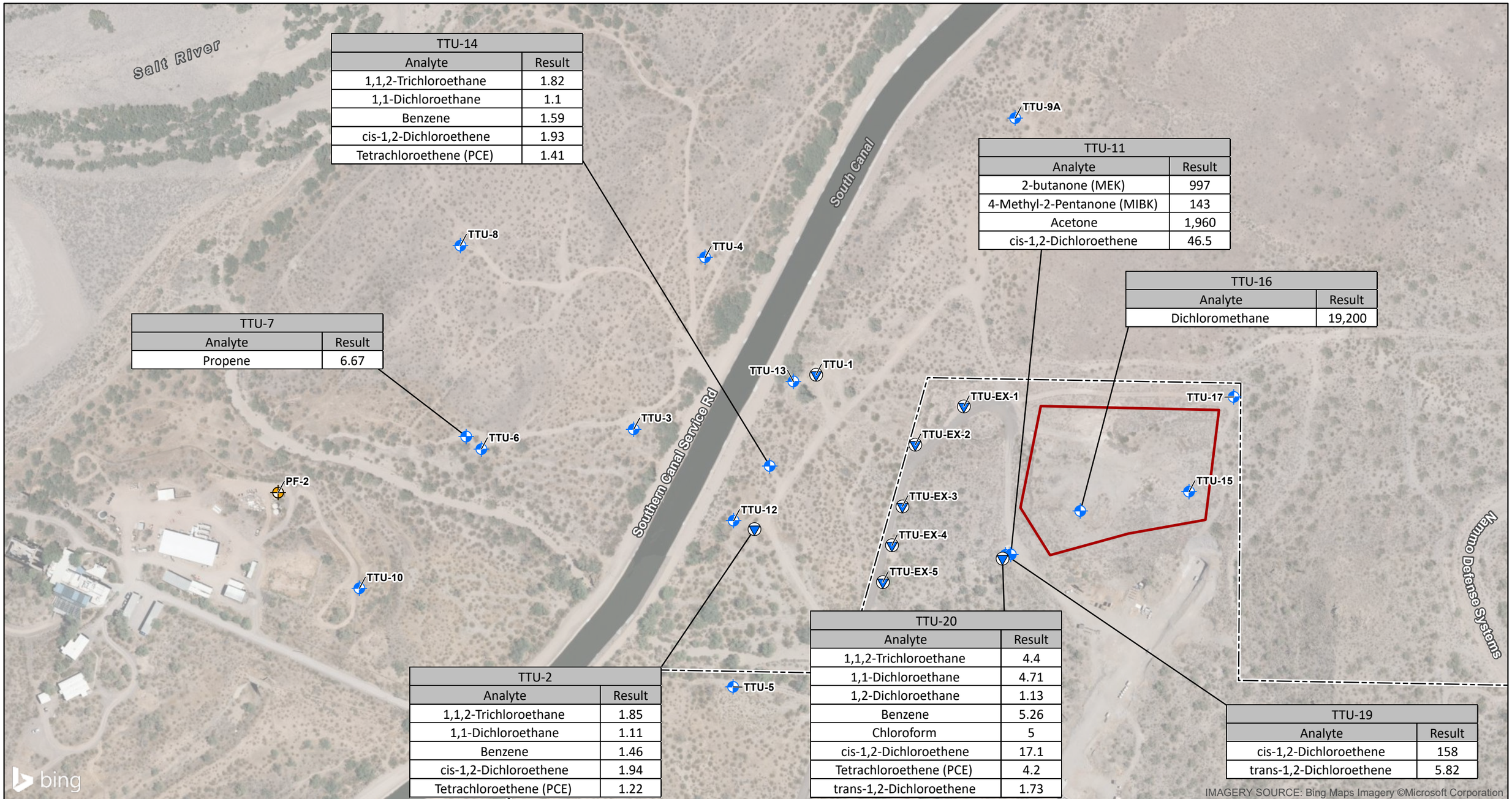
Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 6

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx\NDS_TTU_2024Q3_Fig6_TCE 11/15/2024 10:47 AM SWolfskill



IMAGERY SOURCE: Bing Maps Imagery ©Microsoft Corporation

GROUNDWATER MONITORING LOCATIONS

- MONITORING WELL
- PRIMATE FACILITY WELL
- EXTRACTION WELL
- FORMER TTU BOUNDARY
- NDS LEASED PROPERTY BOUNDARY WITH SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

- VOCs were sampled on 8/27/2024 and 8/28/2024
- VOC results are displayed in µg/l

VOC: Volatile Organic Compound
µg/l: micrograms per liter

N

0 100 200 400
Feet

Other Detected VOC Concentrations August 2024

Former Thermal Treatment Unit (TTU)
Nammo Defense Systems (NDS)
Mesa, Arizona

Geosyntec consultants

Phoenix | November 2024

Figure 7

\\az-ctxfs-t3\sdc\PRJ\SP0101_Nammo\PROJECT\NDS_GWM\NDS_2024Q3\TTU\NDS_TTU_2024Q3.aprx\NDS_TTU_2024Q3_Fig7_VOC 11/15/2024 10:47 AM SWolfskill

ATTACHMENT 1

FIELD NOTES

TTU SAMPLING CHECKLIST

Checklist completed by: Katl Batenford / Daniel Gonzalez

Dates of Field Work: 9/27/24

Pre-Field

- ☑ Are all personnel visiting off-site wells SRPMIC Cultural Sensitivity Trained?
- → ☐ Were pumps for extraction wells TTU-1, TTU-2 and TTU-20 shut off at least one week prior to sampling? Were their tanks emptied in preparation for the event? (Shut off 9/26)
- ☑ Was access coordinated with the NDS Desert Firing Range personnel and University of Washington Primate Facility?
- ☑ Do you have the following items:
  - Site Dedicated DTW meter
  - Keys to well and gate locks
  - Rented YSI 556 MPS or equivalent
  - Laboratory provided and batch certified bottles by Pace and Eurofins (PF-2 Perchlorate only)
  - Disposable Nitrile Gloves
  - Extra HydraSleeve tether and clips
  - HydraSleeves to reset wells after sampling
  - GPS to confirm well locations
  - Decontamination kit (Detergent/water mix in a spray bottle, tap water in a spray bottle, deionized water in a spray bottle, decontamination brush, and disposable paper towels)
  - Trash bags for PPE disposal
  - 5-gallon bucket for decontamination water and excess HydraSleeve water containerization
  - Field Checklists, sample labels, DFRs, COCs, calibration forms, tailgate safety forms, and THA
  - Calibration solution

Field Activities

TTU-1

- ☑ DTW measured
- ☑ Pump turned ON and purged for at least 15 minutes prior to sampling
- ☑ Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- ☑ Pump left ON upon departure?
- ☑ Purged groundwater is pumped directly into dedicated storage tanks adjacent to the wells.

TTU-2

- ☑ DTW measured
- ☑ Pump turned ON and purged for at least 15 minutes prior to sampling
- ☑ Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- ☑ Pump left ON upon departure?

TTU SAMPLING CHECKLIST

- [x] Purged groundwater is pumped directly into dedicated storage tanks adjacent to the wells

TTU-3

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] MS/MSD collected
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-4

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-5

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-6

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-7

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-8

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-9A

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane

TTU SAMPLING CHECKLIST

- [x] Duplicate collected on all parameters
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-10

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-11

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-12

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-13

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-14

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] Duplicate collected on all parameters
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-15

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-16

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane

TTU SAMPLING CHECKLIST

- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-17

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-18

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-19

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-20

- [x] DTW measured
- [x] Pump turned ON and purged for at least 15 minutes prior to sampling
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] Pump left ON upon departure?
- [x] Purged groundwater is pumped directly into dedicated storage tanks adjacent to the wells

TTU-EX-1

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-EX-2

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-EX-3

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane

TTU SAMPLING CHECKLIST

- [x] Duplicate collected on all parameters
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-EX-4

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

TTU-EX-5

- [x] DTW measured
- [x] Sample collected; Analysis for Perchlorate, VOC's and 1,4-Dioxane
- [x] MS/MSD collected
- [x] HydraSleeve reset
- [x] Excess groundwater from HydraSleeve containerized?

PF-1

- [ ] ~~DTW measured~~ NO

PF-2

- [ ] ~~DTW measured~~ NO
- [x] Pump turned ON and purged for at least 15 minutes prior to sampling
- [x] Sample collected; Analysis for low-level Perchlorate, VOC's and 1,4-Dioxane
- [x] Duplicate collected on low-level perchlorate
- [x] Purged groundwater was land-applied in the vicinity of the well.
- [x] Well Turned OFF on departure?

ALL WELLS

- [x] HydraSleeves were either deployed during the last Quarterly event or allowed to equilibrate for at least 24-hours prior to retrieval.
- [x] Water level meter triple rinsed prior to and in between uses
- [x] Water quality instrument calibrated daily and calibration record documented on field form
- [x] Measurements collected of groundwater field parameters including pH, temperature, DO, ORP, and conductivity
- [x] Duplicates were collected at a rate of 1 per 10 for each analyte
  - Number of duplicates collected:_____
- [x] MS/MSDs were collected at a rate of 1 per 20 for each analyte
  - Number of MS/MSDs collected:_____
- [x] Do all sample IDs follow the QAPP guidance?

TTU SAMPLING CHECKLIST

[Sample Location ID]-[Matrix Code]-[Sample Depth]-[YYYYMMDD]-[Optional Qualifier]

- Sample Location ID (well name, boring name, etc., [e.g., TTU-01])
- Matrix Code (e.g., GW)
- Sample depth in feet
- Year, month, and date (YYYYMMDD)
- Any optional qualifiers such as a duplicate (DUP), in the format shown below

  FB = Field blank

  TB = Trip blank

  EB = Equipment blank

  DUP = Field duplicate

☑ Trip blank has been placed in each cooler that has 1,4-dioxane samples are in
  - Number of trip blanks: 1
  - Trip blank identifications will consist of "TB", followed by sequence number if more than one trip blank is used and the date in the format YYYYMMDD.

☑ Trip blank has been placed in each cooler that VOC samples are in
  - Number of trip blanks: 1
  - Trip blank identifications will consist of "TB", followed by sequence number if more than one trip blank is used and the date in the format YYYYMMDD.

☑ IDW water containerized from decontamination and excess HydraSleeve water disposed at onsite thermal treatment unit
  - Date/time of disposal: 08/28/24 1500

☑ PPE and disposable sampling waste double bagged and disposed on an onsite waste bin

☑ Field forms sent to Tory Luttermoser (480) 748-6283 or tluttermoser@geosyntec.com at the end of each field day? DC

☑ Samples for perchlorate, 1,4-dioxane, and VOCs dropped off under standard COC protocol at **Pace Analytical** 3702 E Roeser Rd, Suite 19, Phoenix, AZ 85040

☑ Samples for low-level perchlorate from PF-2 dropped off under standard COC protocol at **Eurofins Phoenix** 4625 East Cotton Center Boulevard, Suite 189, AZ 85040, Phoenix

QAPP SAMPLING CHECKLIST MEETING

Date: 8/26/24 Time: 12:30 Project Name: NDS TTU GW

Project Number-Phase-Task SP0101GW24-02-**** Subcontractors On-Site: Blaine Tech

Reviewed topics:

QAPP Guidelines

Sampling Plan

Project tasks

Attendees:

Name Printed	Company	Signature
Daniel L. Gonzalez	BTS	

Conducted by:

Tony Luttermoser	Greensyntec	
Printed Name	Company	Signature

SP0101GW

TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-1	55-914440	6/6/2012	75	30 - 70	1312.73	4" PVC	33 29'59.1382"	-111 42'56.2704"	50	40.09	Date/Time: 08/28/24 1219 DTW: 42.03

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance / Odor:
Field Parameters	TTU-1-GW-50-20240828	08/28/24 1235	27.0	1061	2.17	7.18	97.1	Cloudy

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	Samples Packed: (Yes) / No

Well left ON after sampling? (Yes) / No

Reason if not Yes: _____

Notes

Please make a note of the well condition and any issues that arose during sampling.

Parameters

Reading	Time	Temperature ©	Conductivity	DO	pH	ORP	Notes
0	1220						WELL ON
1	1223	30.5	1181	1.75	7.53	92.5	Cloudy
2	1226	28.4	1106	1.48	7.35	93.3	Cloudy
3	1229	27.5	1080	2.25	7.25	94.7	Cloudy
4	1232	27.5	1068	2.18	7.20	96.2	Cloudy
5	1235	27.0	1061	2.17	7.18	97.1	Cloudy

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-2	N/A	10/17/2013	185	49.4 - 179.6	1314.44	4" PVC	33 29'55.8472"	-111 42'57.8480"	114.5	58.58	Date/Time: 08/28/24 1126 DTW: 60.81

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance / Odor:
Field Parameters	TTU-2-GW-114-20240828	08/28/24 1142	28.2	3228	1.72	7.07	85.3	Cloudy

Checklist	Depth to Water: Yes / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	Samples Packed: Yes / No

Well left ON after sampling? Yes / No

Reason if not Yes: _____

Notes

Please make a note of the well condition and any issues that arose during sampling.

Parameters

Reading	Time	Temperature ©	Conductivity	DO	pH	ORP	Notes
0	1127						WELL ON
1	1130	32.0	3236	0.77	7.10	84.4	Cloudy
2	1133	28.7	3187	1.42	7.15	86.4	Cloudy
3	1136	28.4	3236	1.78	7.15	89.4	Cloudy
4	1139	27.6	3233	1.84	7.10	91.2	Cloudy
5	1142	28.2	3228	1.72	7.07	85.3	Cloudy

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-3	N/A	10/18/2013	143.6	78.1 - 138.1	1308.03	4" PVC	33 29'57.9845"	-111 43'00.9143"	108	73.34	Date/Time: 08/27/24 0950 DTW: 80.72

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance / Odor:
Field Parameters	TTU-3-GW-108-20240827	0955 08/27/24	28.1	1419	4.26	7.22	136.1	Clear

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed: (Yes) / No

Notes: Please make a note of the well condition and any issues that arose during sampling.
Collect MS/MSD

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-4	N/A	10/25/2013	104.9	39.5 - 99.5	1305.12	4" PVC	33 30'01.6455"	-111 42'59.0898"	57	51.19	Date/Time: 1123 08/27/24 DTW: 49.91

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance / Odor:
Field Parameters	TTU-4-GW-57-20240827	1125 08/27/24	27.8	2201	2.51	7.69	71.8	clear

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed: (Yes) / No

Notes: Please make a note of the well condition and any issues that arose during sampling.

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-5	N/A	9/20/2014	169.5	59.5 - 164.5	1314.93	4" PVC	33 29'52.4820"	-111 42'58.3994"	110	81.24	Date/Time: 1336 08/28/24 DTW: 79.91

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance / Odor:
Field Parameters	TTU-5-GW-110-20240828	1342 08/28/24	27.3	692	2.16	7.73	105.8	Clear

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed : (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.			

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-6	N/A	10/7/2014	180	110 - 175	1300.84	4" PVC	33 29'57.5698"	-111 43'04.7900"	143	119.34	Date/Time: 1027 08/27/24 DTW: 112.58

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance / Odor:
Field Parameters	TTU-6-GW-143-20240827	08/27/24 1032	28.0	1438	3.96	7.27	131.7	orange specks/particles

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed : (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling. orange specks/particles			

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TTU Groundwater Monitoring Checklist

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	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-7	N/A	10/8/2014	410	Open 280 - 410	1301.84	8.5" Steel	33 29'57.8355"	-111 43'05.1771"	345	131.91	Date/Time: 1053 08/27/24 DTW: 129.98

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-7-GW-345-202408 27	08/27/24 1100	27.0	3835	1.07	7.26	68.1	Black specks

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed: (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.				

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-8	N/A	4/18/2016	190	135 - 185	1310.23	4" PVC	33 30'01.9086"	-111 43'05.3138"	164	143.65	Date/Time: 08/27/24 1148 DTW: 136.73

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-8-GW-164-202408 27	08/27/24 1151	28.2	3122	1.16	7.09	101.2	orange specks

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed: (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.				

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-9A	N/A	6/16/2016	104	24 - 99	1318.04	4" PVC	33 30'04.6089"	-111 42'51.1919"	61	24.3	Date/Time: 1306 08/28/24 DTW: 28.33

	Sample ID:		Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-9A-GW-61-20240828 TTU-9A-GW-61-20240828	-DUP	08/28/24 1310	~~27.6~~ 30.1	~~1446~~ 1658	~~3.85~~ 3.75	~~7.40~~ 7.72	~~142.6~~ 106.8	~~Clear~~ clear

Checklist	Depth to Water: Yes / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: Yes / No Size of sleeve: 1L Samples Packed: Yes / No
Notes	Please make a note of the well condition and any issues that arose during sampling. **Collect duplicate on Perchlorate, VOCs, and 1,4 Dioxane**			

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-10 27	N/A	4/18/2016	185	115 - 180	1302.42	4" PVC	33 29'54.5995"	-111 43'07.9037"	172	163.44	Date/Time: 0855 08/27/24 DTW: 165.87

	Sample ID:		Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-10-GW-172-20240827		08/27/24 0900	27.6	1446	3.85	7.40	142.6	Clear

Checklist	Depth to Water: Yes / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: Yes / No Size of sleeve: 1L Samples Packed: Yes / No
Notes	Please make a note of the well condition and any issues that arose during sampling.			

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TTU Groundwater Monitoring Checklist

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	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-11	55-918534	9/11/2015	94	24-89	1339.2	4" PVC	33 29'55.28"	-111 42'51.47"	73	37.86	Date/Time: 0932 08/28/24 DTW: 40.23

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-11-GW-73-20240828	08/28/24 0935	28.8	1470	2.77	5.97	-3.8	Yellow tint, cloudy, odor Floating matter. grey, white, black specks

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling. Floating matter kept creating bubbles in VOa.			

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-12	N/A	7/31/2018	180	Open to 180	1312.21	5"	33°29'56.0275"	-111°42'58.3788"	82	70.87	Date/Time: 1052 08/28/24 DTW: 70.65

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-12-GW-82-20240828	08/28/24 1100	31.1	3178	3.81	7.06	122.4	red/orange tint rust @ bottom

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.			

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TTU Groundwater Monitoring Checklist

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	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-13	N/A	7/20/18	80	Open to 80	1310.79	5"	33 29'58.9926"	-111 42'56.8497"	51	40.01	Date/Time: 1240 DTW: 08/28/24 41.44

Field Parameters	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
	TTU-13-GW-51-20240828	08/28/24 1245	27.8	1302	2.91	7.13	107.1	roots covered bb

Checklist				
	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed : (Yes) / No

Notes
Please make a note of the well condition and any issues that arose during sampling. weight came off sleeve during redeployment New Sleeve set with new weight old weight still in well

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-14	N/A	7/19/2018	100	Open to 100	1316.8	5"	33 29'57.1962"	-111 42'57.4555"	69	53.01	Date/Time: 1158 DTW 08/28/24 56.92

Field Parameters	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
	TTU-14-GW-69-20240828 TTU-14-GW-69-20240828 -DUP	08/28/24 1205	28.9	2815	2.41	7.12	108.9	rust @ bottom

Checklist				
	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed : (Yes) / No

Notes
Please make a note of the well condition and any issues that arose during sampling. **Collect duplicate on Perchlorate, VOCs, and 1,4 Dioxane**

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-15	55-228014	1/25/2018	100	Open to 100	1350.85	Open Borehole (10")	33 29 56.78	-111 42 47.03	75	35.12	Date/Time: 1500 08/27/24 DTW: 36.49

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-15-GW-75-20240827	08/27/24 1505	30.9	2623	1.43	7.38	99.4	Clear

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.			

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-16	55-231730	1/23/2020	96.6*	Open	1338.554	8"	33°29'56.18415"	-111°42'49.59235"	80	25.10	Date/Time: 1430 08/27/24 DTW: 27.29

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-16-GW-80-20240827	1434 08/27/24	30.88399		1.05	6.52	135.4	Tons of bubbles / sediment @ bottom

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L Samples Packed : (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.			

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-17	55-231735	1/22/2020	102'	Open to 102	1347.489	8"	33°29'58.61092"	-111°42'45.68575"	80	40.64	Date/Time: 0823 08/28/24 DTW: 42.11

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-17-GW-80-20240828	08/28/24 0830	29.4	1110	1.16	7.18	-16.9	Clear w/ sediment

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.				

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-18	55-231737	1/21/2020	104.5'	Open	1320.248	8"	33°29'47.20278"	-111°42'58.10223"	none	Dry	Date/Time: 08/27/24 1335 DTW: ~~Dry~~

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-18-GW- -2024							

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: Yes / (No) Size of sleeve: —	Samples Packed : Yes / (No)
Notes	Please make a note of the well condition and any issues that arose during sampling. Dry				

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TTU Groundwater Monitoring Checklist

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	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-19	55-232969	9/24/2020	95	25-90	1336.81	4"	33 29' 55.25498"	-111 42' 51.49762"	73	35.96	Date/Time: 0909 08/28/24 DTW: 38.44

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-19-GW-73-20240828	08/28/24 0913	30.9	2271	2.35	6.69	-114.4	Top half of sleeve clear w/ black specks Bottom half black odor

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate, VOCs, 1,4 Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed: (Yes) / No

Notes

Please make a note of the well condition and any issues that arose during sampling.

Bubbling / fizzing while VOA's were being filled.

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TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-20	55-232968	9/24/2020	95	25-90	1336.9	4"	33 29' 55.17373"	-111 42' 51.57575	73	37.53	Date/Time: 08/28/24 0844 DTW: 52.86

Field Parameters	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
	TTU-20-GW-73-202408~~28~~	~~08/28/24~~	~~30.9~~ 29.1	~~2913~~ 2369	~~3.25~~ 3.51	~~6.94~~ 6.99	~~111.3~~ 119.9 DG	~~clear~~ clear

Checklist			
Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	Samples Packed: (Yes) / No

Well left ON after sampling? (Yes) / No

Reason if not Yes: _____

Notes

Please make a note of the well condition and any issues that arose during sampling.

Parameters

Reading	Time	Temperature ©	Conductivity	DO	pH	ORP	Notes
0	0845						WELL ON
1	0848	30.9	2913	3.25	6.94	111.3	Clear
2	0851	29.7	3176	2.14	6.86	104.9	Clear
3	0854	29.2	~~3~~ DG 2715	2.54	6.93	103.8	Clear
4	0857	29.1	2436	2.83	6.97	107.3	Clear
5	0900	30.0	2339	2.99	6.94	117.2	Clear

SP0101GW

TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-EX-1	55-231733	1/29/2020	109'	Open	1321.694	8"	33°29'58.42103"	-111°42'52.55168"	69	31.37	Date/Time: 08/27/24 1401 DTW: 32.31

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-EX-1-GW-69-20240827	08/27/24 1407	29.2	2550	2.53	7.20	110.4	Clear w/ Sediment

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed : (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.				

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-EX-2	55-231734	1/28/2020	110'	Open	1316.401	8"	33°29'57.60791"	-111°42'53.78896"	74	40.40	Date/Time: 1346 08/27/24 DTW: 40.42

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-EX-2-GW-74-20240827	08/27/24 1350	28.2	1826	2.28	7.42	94.6	Cloudy w/ Sediment

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: 1L	Samples Packed : (Yes) / No
Notes	Please make a note of the well condition and any issues that arose during sampling.				

SP0101GW

TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-EX-3	55-231731	1/24/2020	111'	Open	[illegible]	8"	33°29'56.29009"	-111°42'54.11922"	76	42.14	Date/Time: 1523 08/27/24 DTW: 41.98

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-EX-3-GW-76-202408 27 TTU-EX-3-GW-76-202408 27 DUP	08/27/24 1526	31.0	5809	1.03	6.81	118.1	Clear w/sediment

Checklist	Depth to Water: Yes / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: Yes / No Size of sleeve: 1L	Samples Packed: Yes / No
Notes	Please make a note of the well condition and any issues that arose during sampling. **Collect duplicate on Perchlorate, VOCs, and 1,4 Dioxane**				

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-EX-4	55-231732	1/25/2020	112'	Open	1319.958	8"	33°29'55.46297"	-111°42'54.38840"	77	45.24	Date/Time: 0958 08/28/24 DTW: 45.71

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
Field Parameters	TTU-EX-4-GW-77-202408 28	08/28/24 1004	28.0	2116	1.68	6.84	68.5	Clear w/sediment

Checklist	Depth to Water: Yes / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: Yes / No Size of sleeve: 1L	Samples Packed: Yes / No
Notes	Please make a note of the well condition and any issues that arose during sampling.				

SP0101GW

TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	TTU-EX-5	55-231736	1/24/2020	105.88*	Open	1319.499	8"	33°29'54.67649"	-111°42'54.62111"	80	41.09	Date/Time: 1015 08/28/24 DTW: 42.11

	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	
Field Parameters	TTU-EX-5-GW-80-202408 28	08/28/24 1025	30.5	612	1.57	7.32	7.7	Clear w/ sediment

Checklist	Depth to Water: (Yes) / No	~~Transducer Downloaded: Yes / No~~	Sampled: Perchlorate / VOCs / 1,4-Dioxane	HydraSleeve Reset: (Yes) / No Size of sleeve: LL	Samples Packed: (Yes) / No

Notes

Please make a note of the well condition and any issues that arose during sampling.

Collect MS/MSD

Water just touching probes on YSI.

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	PF-1	N/A	N/A	N/A	N/A	1295.99		33 29'56.5958"	-111 43'09.7483"	NS	nm	Date/Time: DTW:

Notes

DTW only Please make a note of the well condition and any issues that arose during sampling.

Decomissioned

SP0101GW

TTU Groundwater Monitoring Checklist

Geosyntec consultants

	Well Name	ADWR#	Date Completed	Total Depth (FT BGS)	Screened Interval (FT BGS)	Casing Elevation (FT MSL)	Casing Material/Diameter	Latitude	Longitude	Sample Depth	Previous DTW:	Current DTW:
Well Information	PF-2	N/A	3/27/2013	400	300-400	1296.35	6 5/8	33 29'56.6487"	-111 43'09.9629"	400	nm	Date/Time: 08/27/24 DTW: —

Field Parameters	Sample ID:	Date and Time Sampled:	Temp (°C)	Spec Cond (µS/cm)	DO (mg/l)	pH (S.U.)	ORP (mV)	Appearance:
	PF-2-GW-400-20240827 PF-2-GW-400-20240827 DUP	08/27/24 0800	NR	NR	NR	NR	NR	Clear

Checklist				
Depth to Water: Yes / (No)	Time well turned ON: ~~0745~~ 0744 DG	Sampled: **Perchlorate (Eurofins)**, VOCs (Pace), 1,4 Dioxane (Pace)	Time well turned OFF: 0802	Samples Packed : (Yes) / No

Notes

Please make a note of the well condition and any issues that arose during sampling.

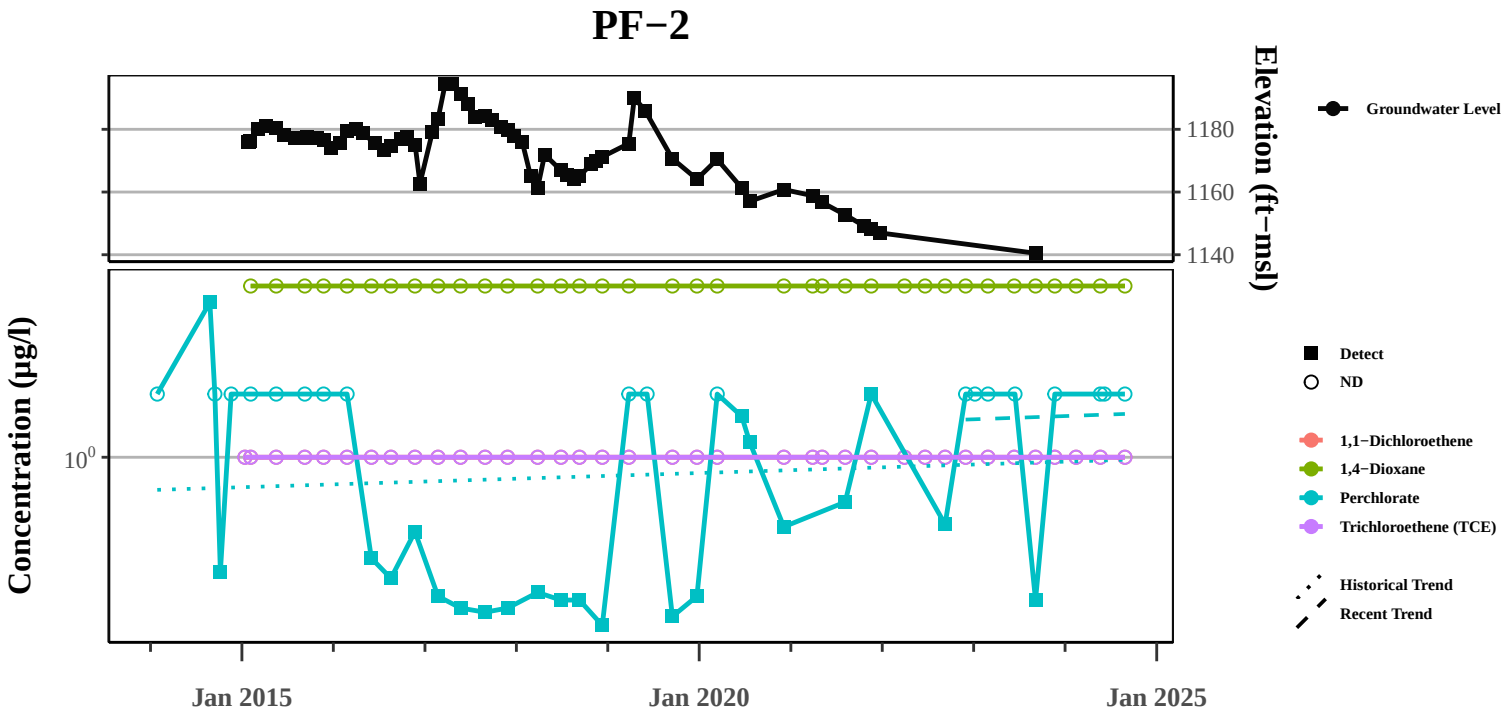
USE A WELL PURGE SAMPLING FORM - RECORD SAMPLED MEASUREMENT IN THE SPACE ABOVE

Submit Perchlorate sample to Eurofins Phoenix

COLLECT DUPLICATE ON PERCHLORATE SAMPLE ONLY

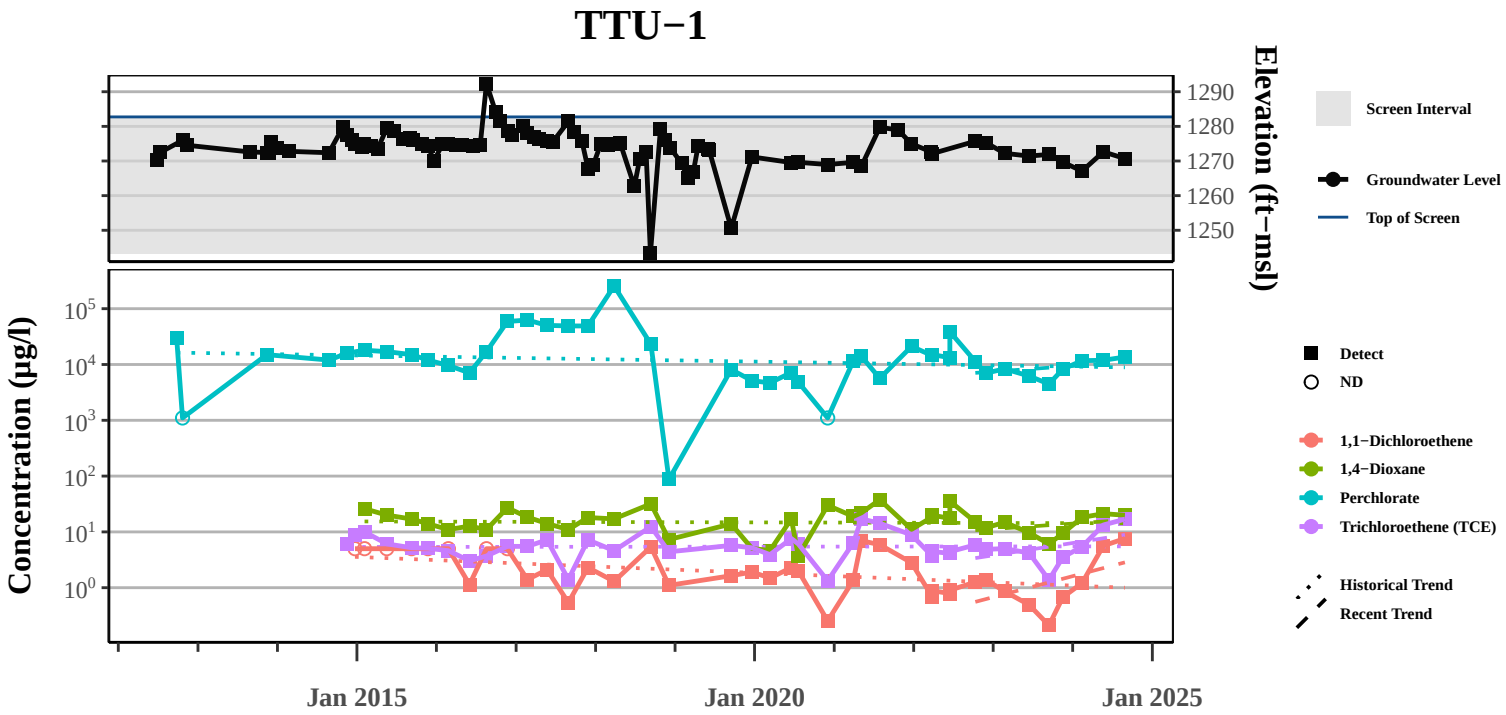
ATTACHMENT 2

MANN-KENDALL TREND ANALYSIS



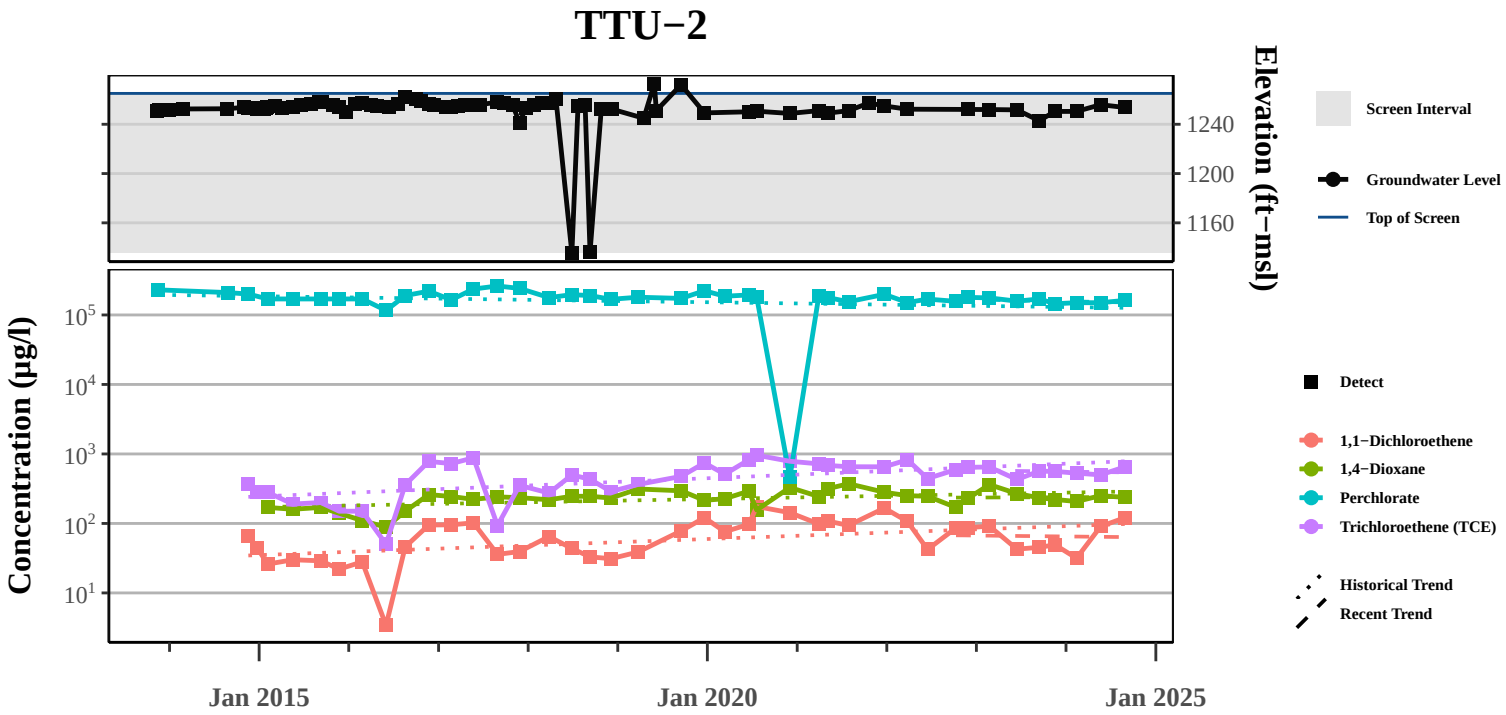
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	NA	NA
Screen Elevation (ft-msl)	NA	NA

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	37	Stable	Stable	NA
1,4-Dioxane	36	Stable	Stable	NA
Perchlorate	41	No Trend	Stable	0.017
Trichloroethene (TCE)	37	Stable	Stable	NA



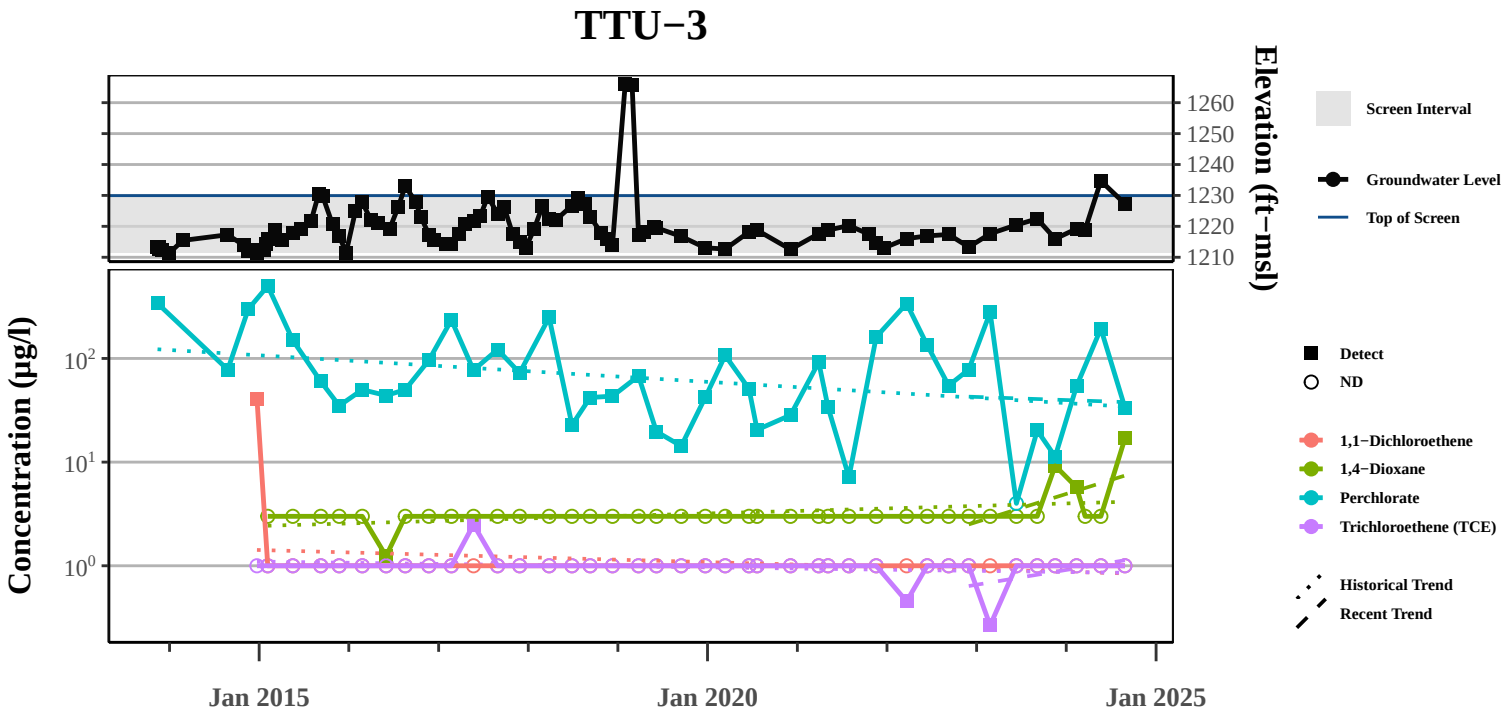
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	30.00	70.00
Screen Elevation (ft-msl)	1282.73	1242.73

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	39	Decreasing	No Trend	2.770
1,4-Dioxane	38	Stable	No Trend	3.740
Perchlorate	43	Decreasing	Probably Increasing	2320
Trichloroethene (TCE)	40	Stable	No Trend	4.950



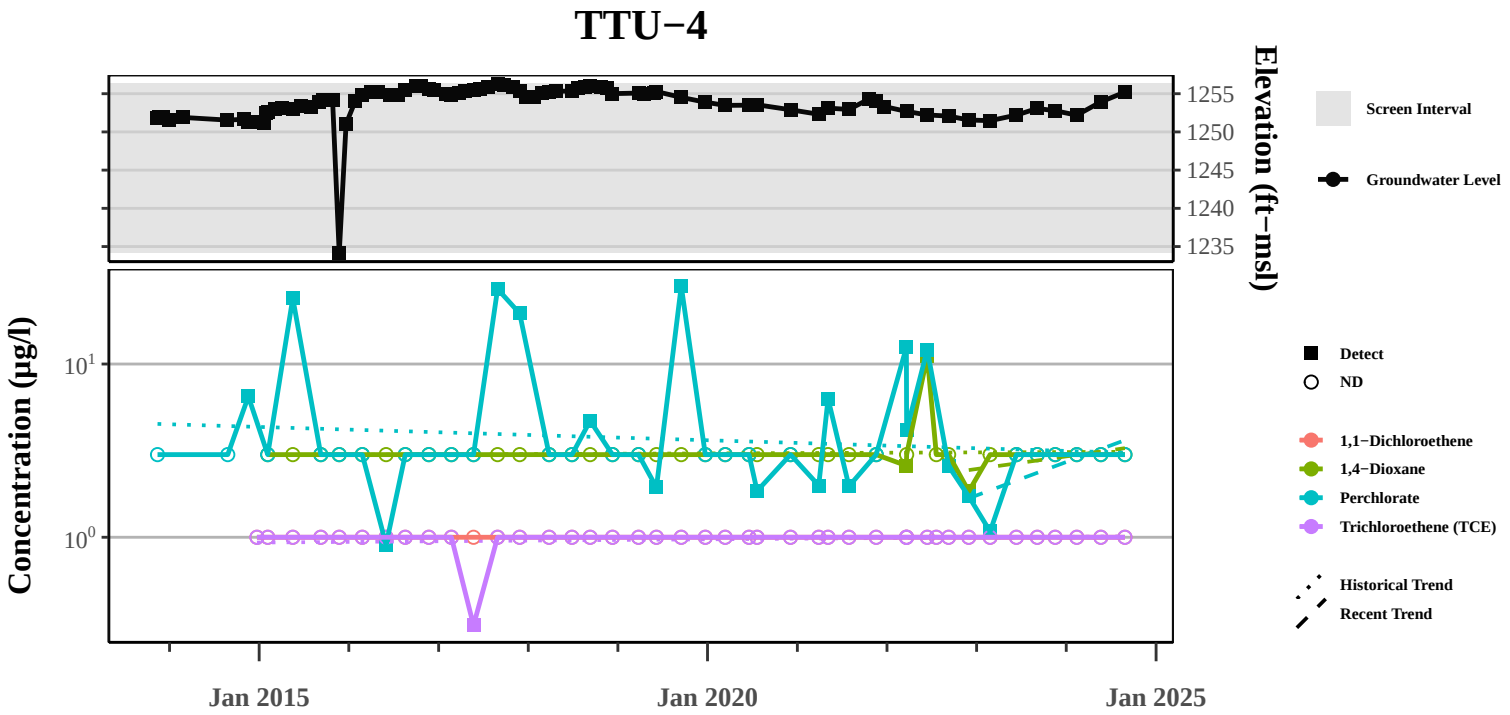
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	49.40	179.60
Screen Elevation (ft-msl)	1265.04	1134.84

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	40	Increasing	No Trend	2.830
1,4-Dioxane	38	Increasing	No Trend	-4.020
Perchlorate	41	Decreasing	Stable	-9370
Trichloroethene (TCE)	40	Increasing	Stable	-22.9



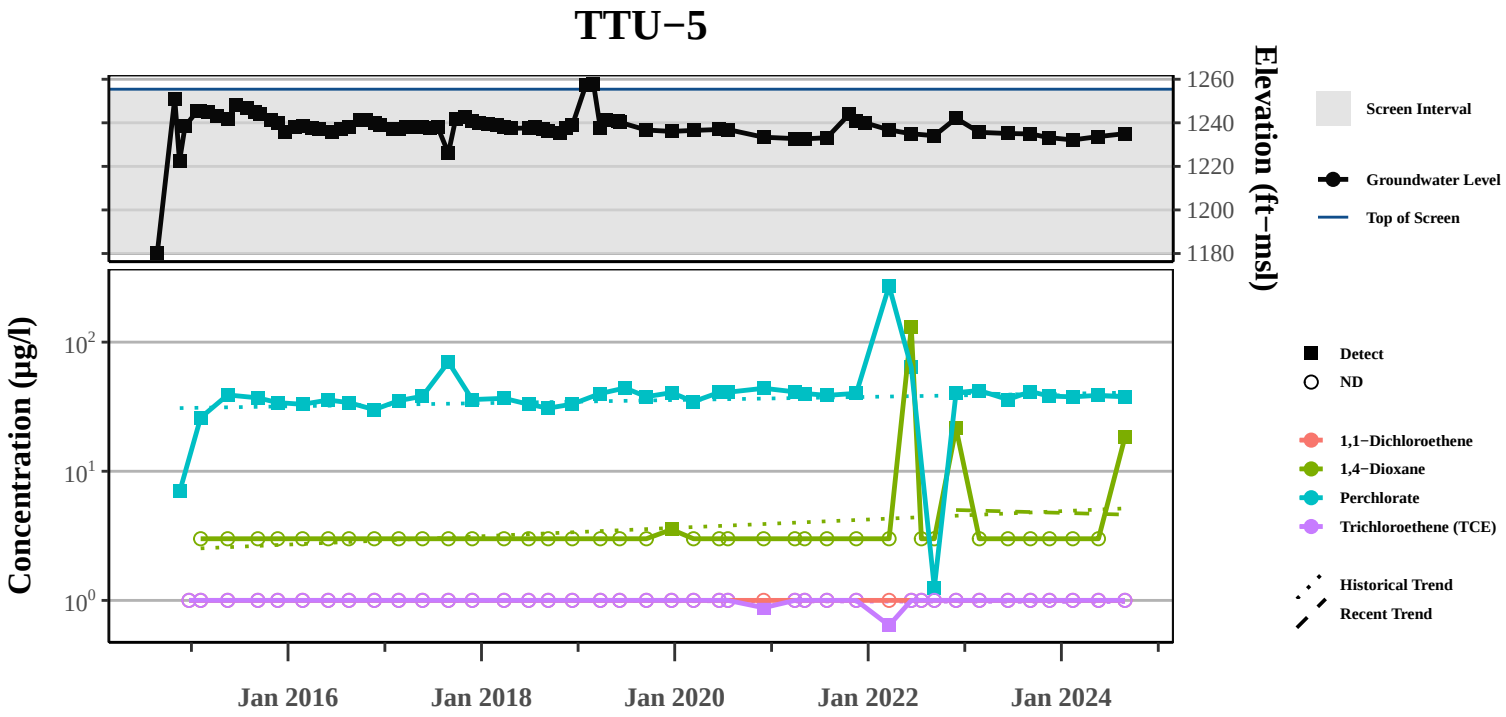
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	78.10	138.10
Screen Elevation (ft-msl)	1229.93	1169.93

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	40	Decreasing	Stable	NA
1,4-Dioxane	40	Increasing	No Trend	4.690
Perchlorate	42	Decreasing	No Trend	-30.9
Trichloroethene (TCE)	40	Probably Decreasing	No Trend	0.182



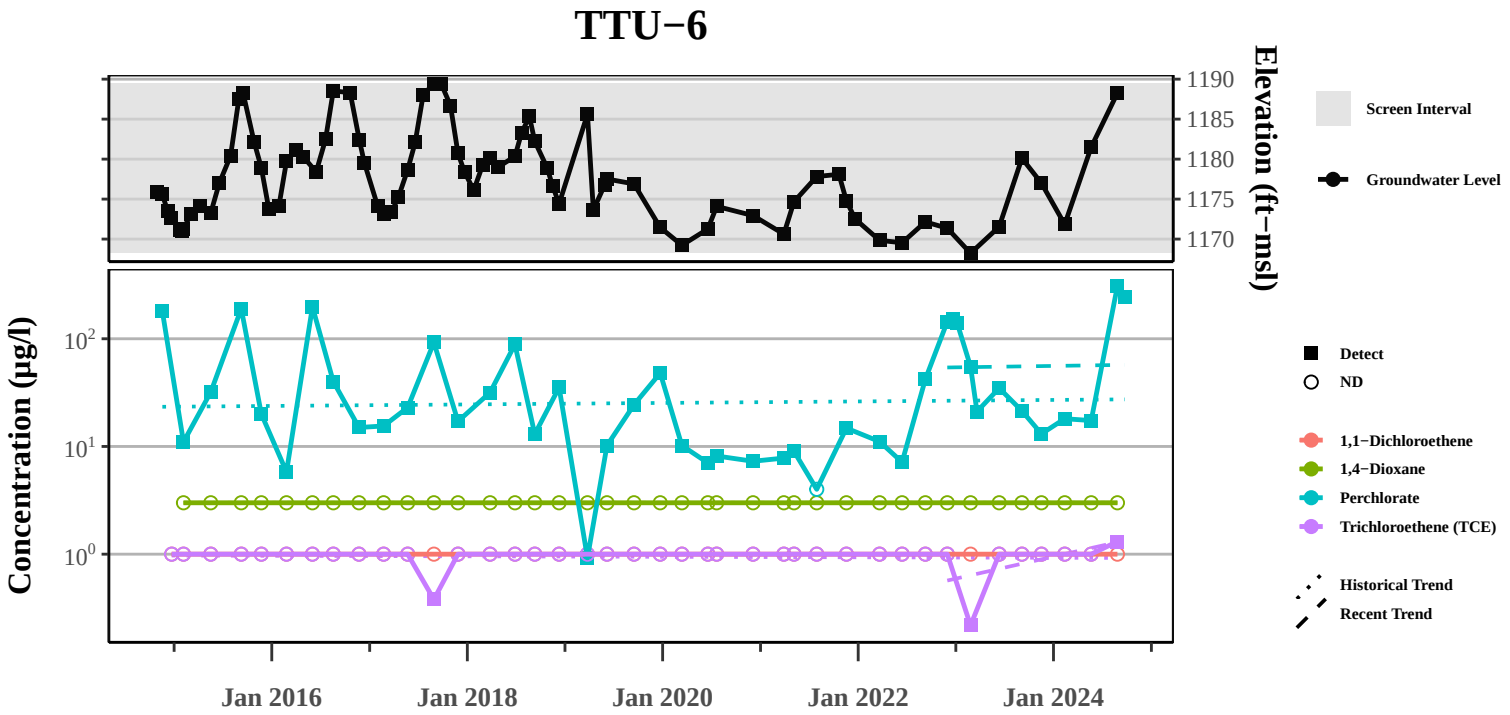
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	39.50	99.50
Screen Elevation (ft-msl)	1265.62	1205.62

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	42	Stable	Stable	NA
1,4-Dioxane	41	Stable	Probably Increasing	0.397
Perchlorate	43	No Trend	Probably Increasing	0.915
Trichloroethene (TCE)	42	No Trend	Stable	NA



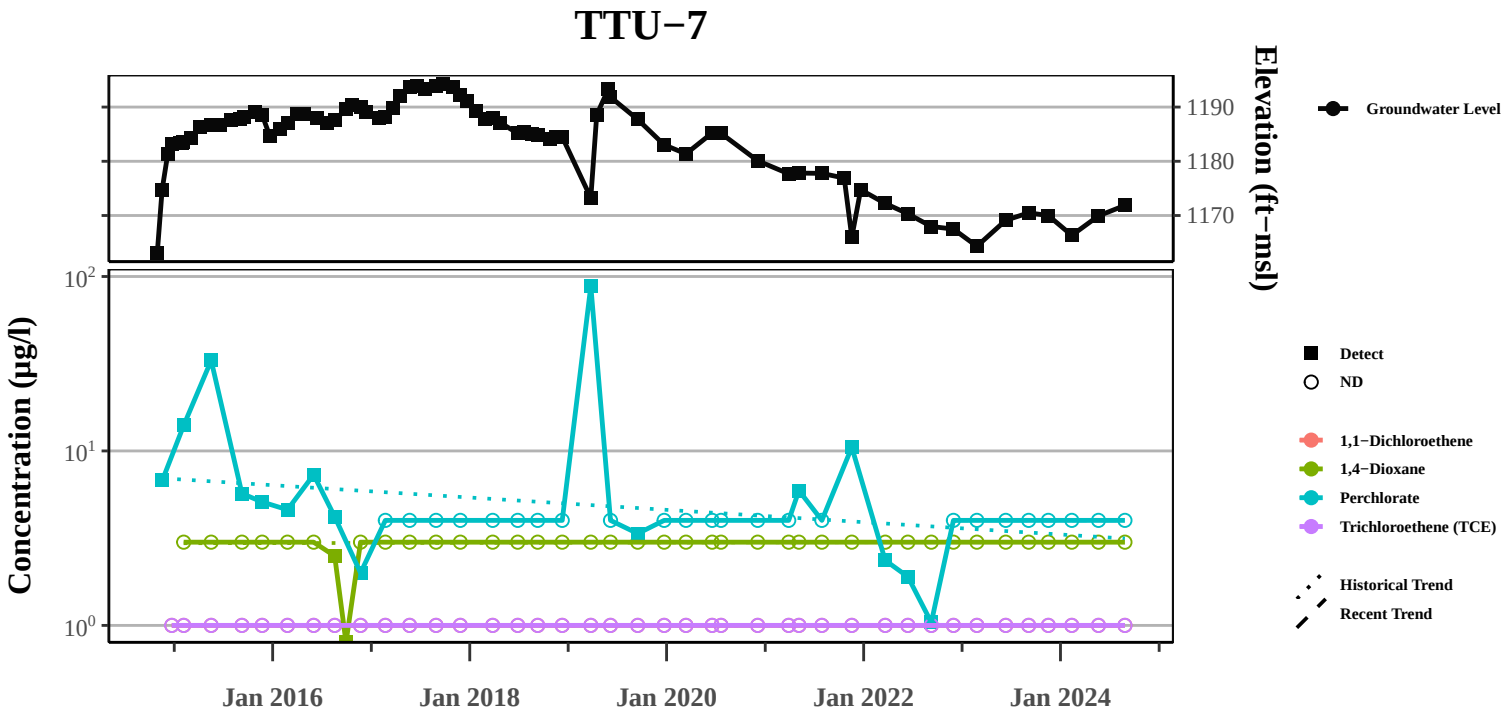
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	59.50	164.50
Screen Elevation (ft-msl)	1255.43	1150.43

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	41	Stable	Stable	NA
1,4-Dioxane	40	Increasing	No Trend	-1.030
Perchlorate	40	Increasing	Stable	-1.690
Trichloroethene (TCE)	41	Stable	Stable	NA



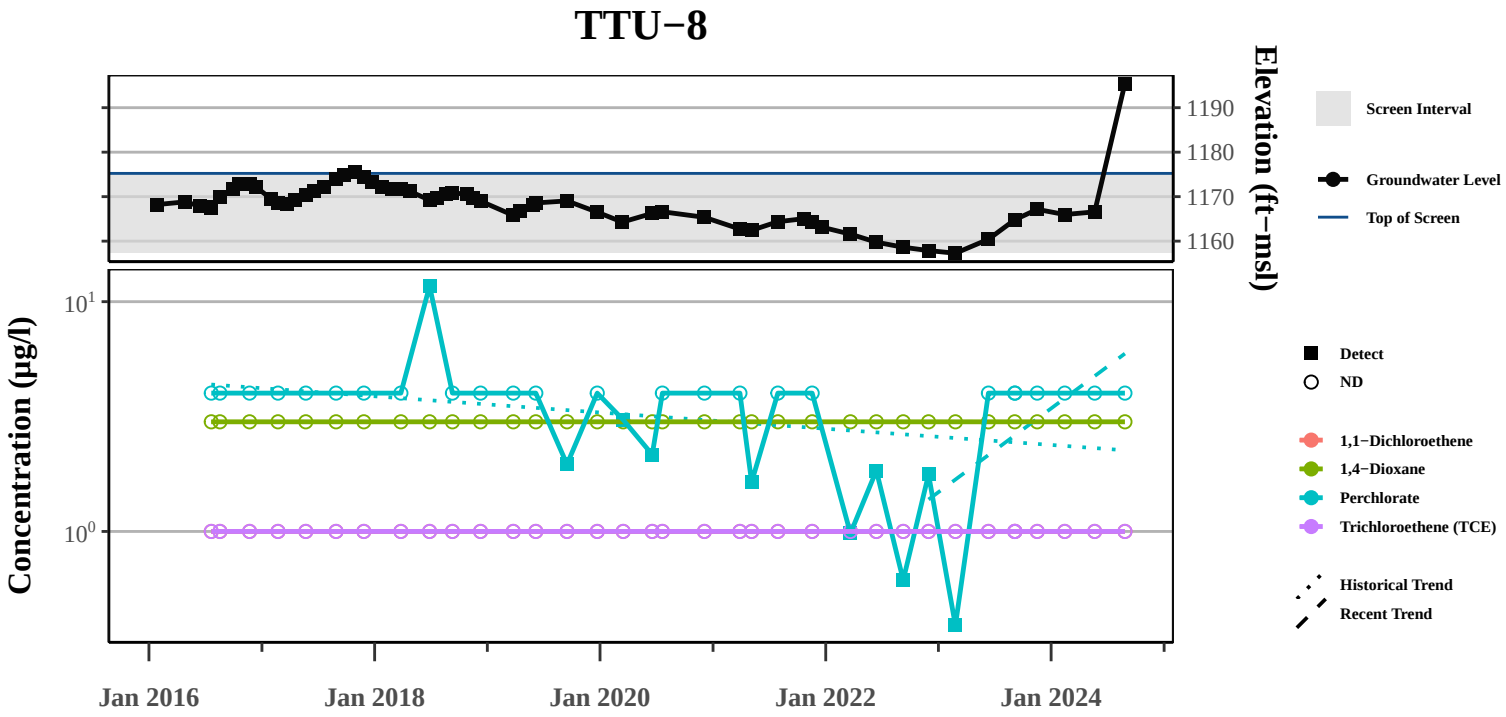
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	110.00	175.00
Screen Elevation (ft-msl)	1190.84	1125.84

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	40	Stable	Stable	NA
1,4-Dioxane	39	Stable	Stable	NA
Perchlorate	44	No Trend	Stable	46.0
Trichloroethene (TCE)	40	No Trend	Probably Increasing	0.302



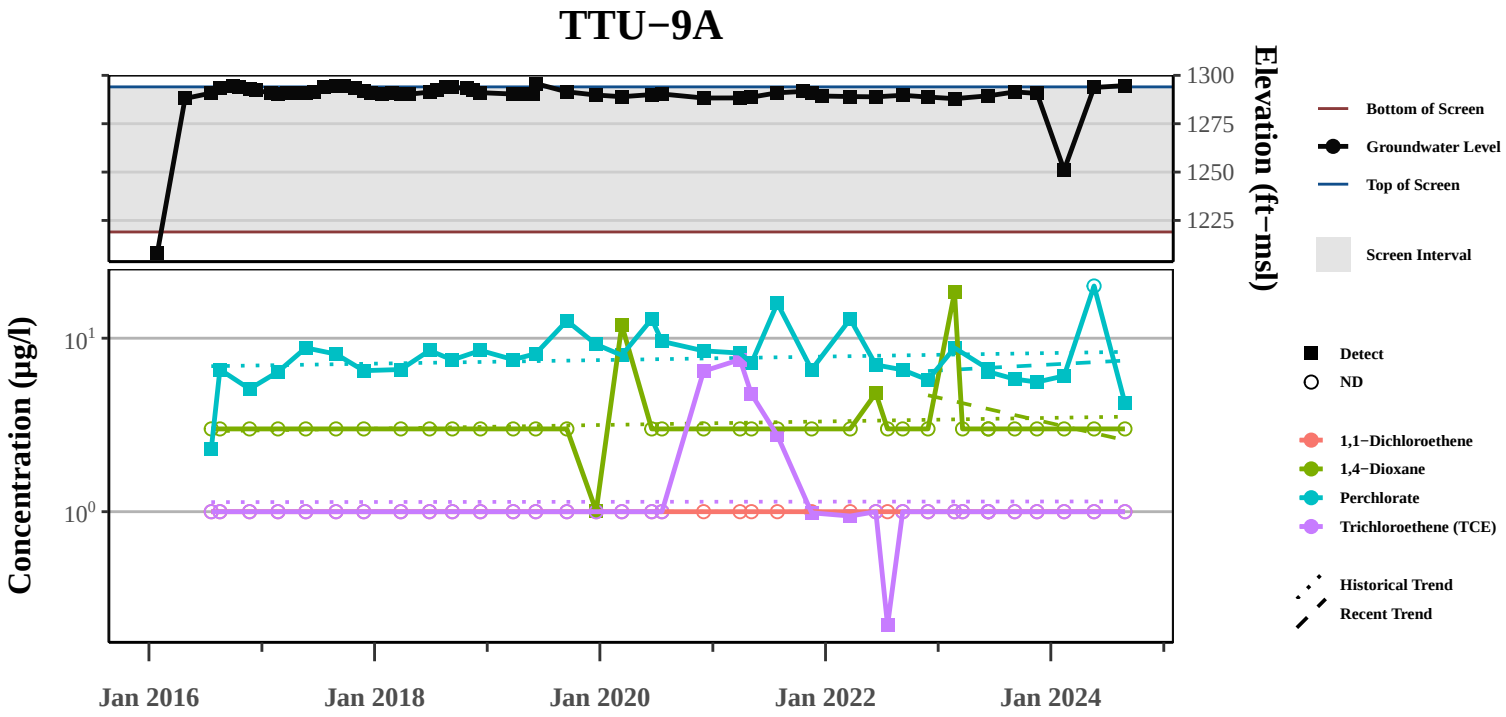
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	282.00	410.00
Screen Elevation (ft-msl)	1019.84	891.84

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	40	Stable	Stable	NA
1,4-Dioxane	40	Probably Increasing	Stable	NA
Perchlorate	40	Decreasing	Stable	NA
Trichloroethene (TCE)	40	Stable	Stable	NA



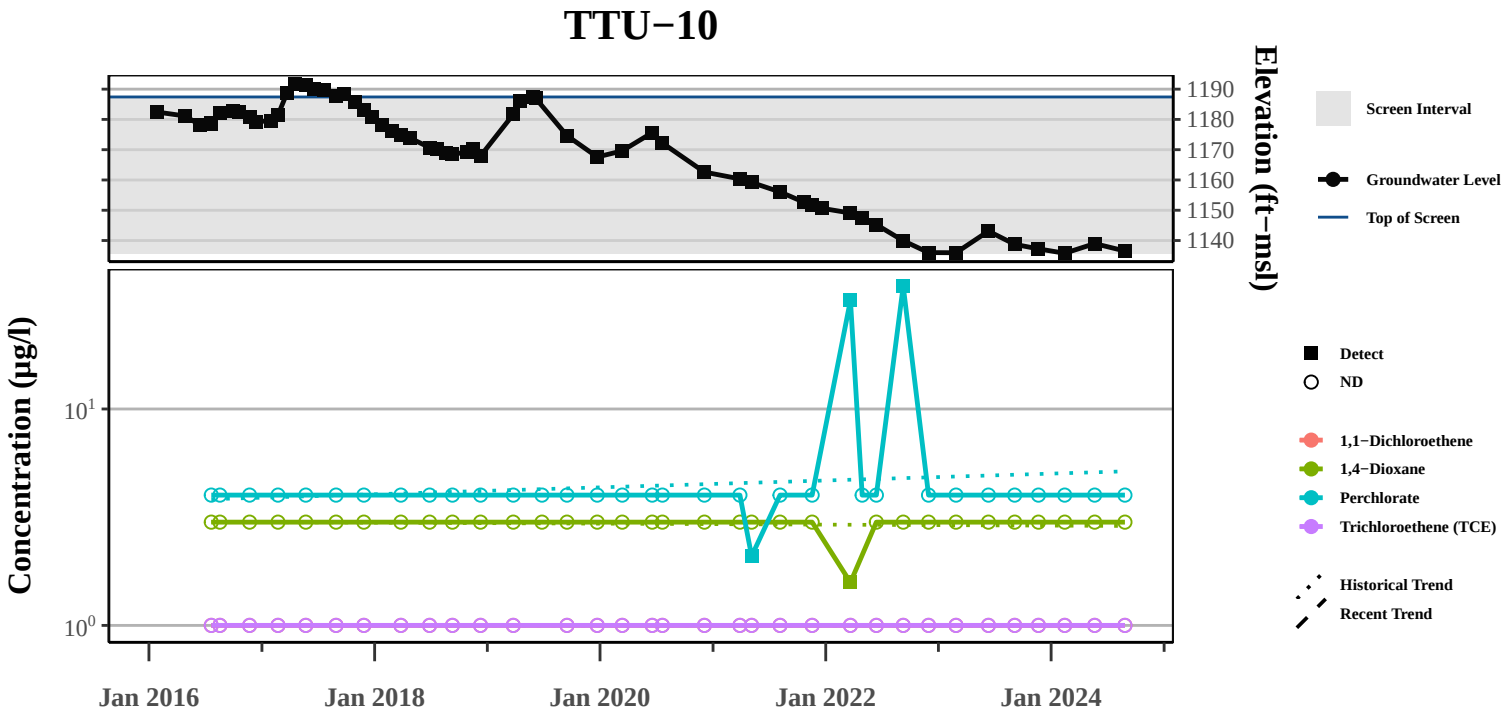
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	135.00	185.00
Screen Elevation (ft-msl)	1175.23	1125.23

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	35	Stable	Stable	NA
1,4-Dioxane	34	Stable	Stable	NA
Perchlorate	35	Decreasing	Increasing	1.630
Trichloroethene (TCE)	35	Stable	Stable	NA



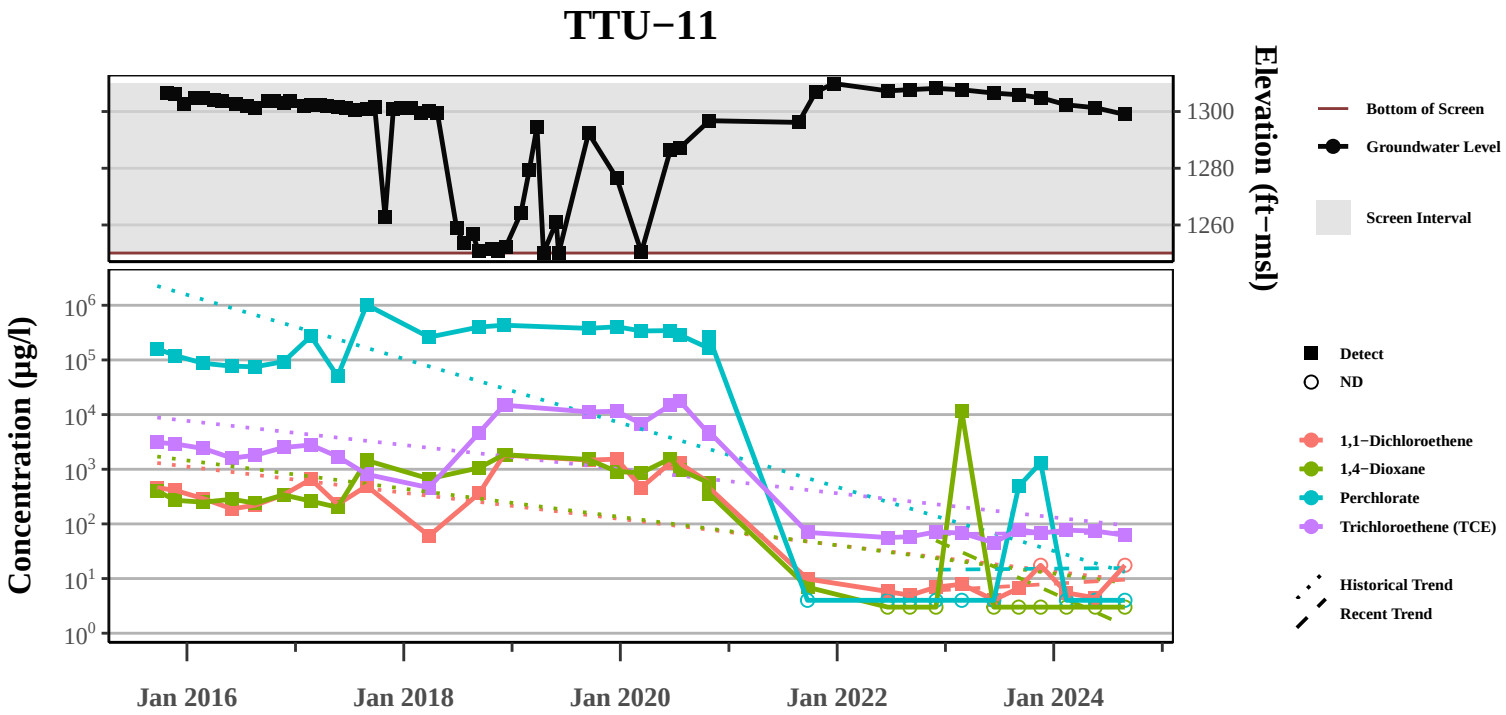
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	24.00	99.00
Screen Elevation (ft-msl)	1294.04	1219.04

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	37	Stable	Stable	NA
1,4-Dioxane	37	No Trend	No Trend	-2.900
Perchlorate	35	Stable	Stable	2.130
Trichloroethene (TCE)	37	No Trend	Stable	NA



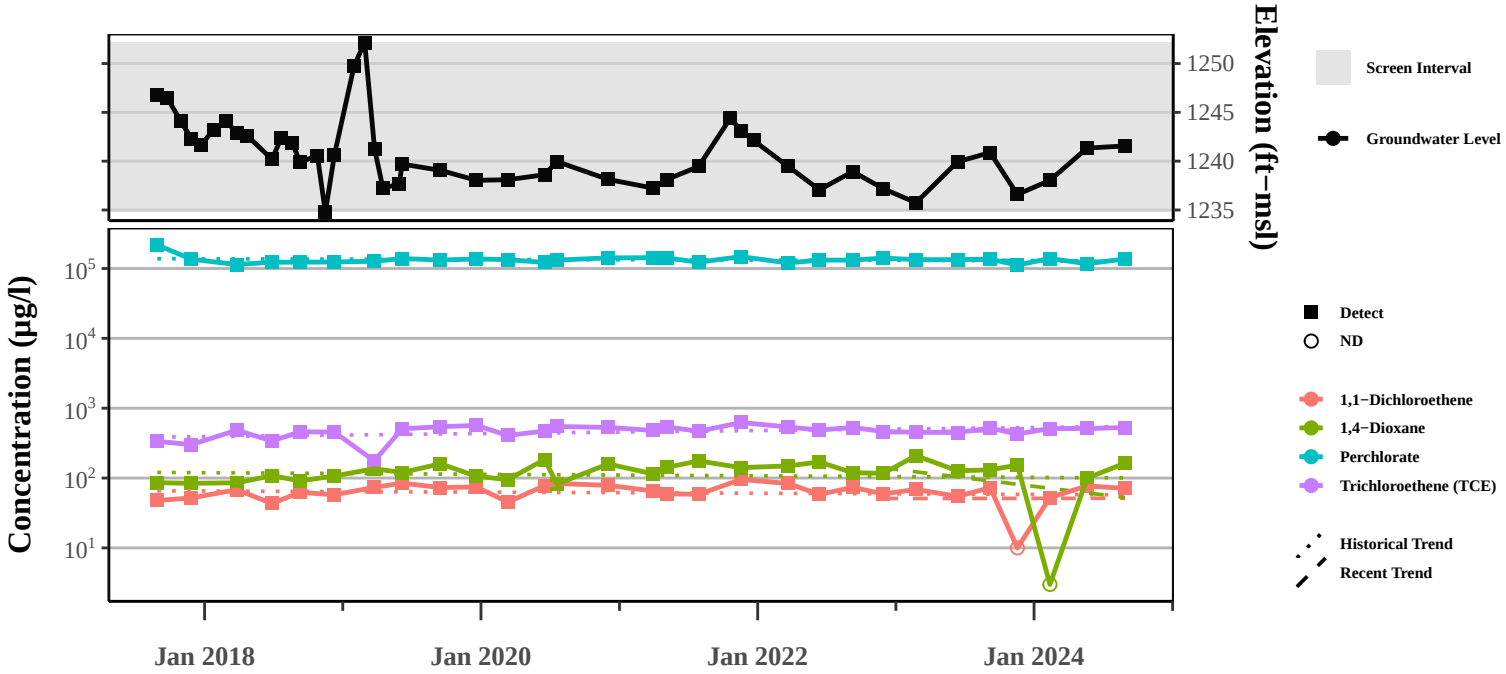
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	115.00	180.00
Screen Elevation (ft-msl)	1187.42	1122.42

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	33	Stable	Stable	NA
1,4-Dioxane	34	Stable	Stable	NA
Perchlorate	35	No Trend	Stable	NA
Trichloroethene (TCE)	33	Stable	Stable	NA



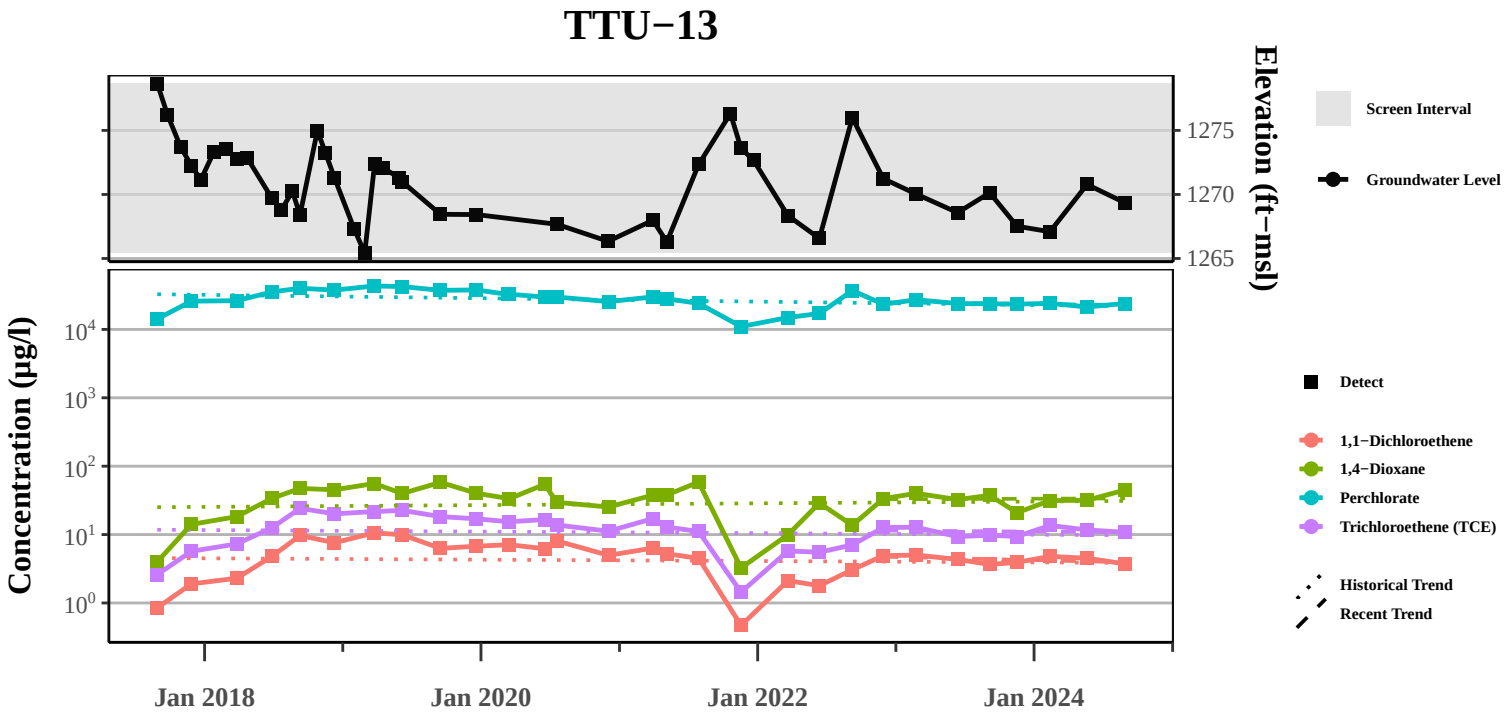
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	24.1	89.1
Screen Elevation (ft-msl)	1315.1	1250.1

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	31	Decreasing	No Trend	3.450
1,4-Dioxane	31	Decreasing	No Trend	-2880
Perchlorate	30	Decreasing	No Trend	33.8
Trichloroethene (TCE)	31	Decreasing	Stable	1.910



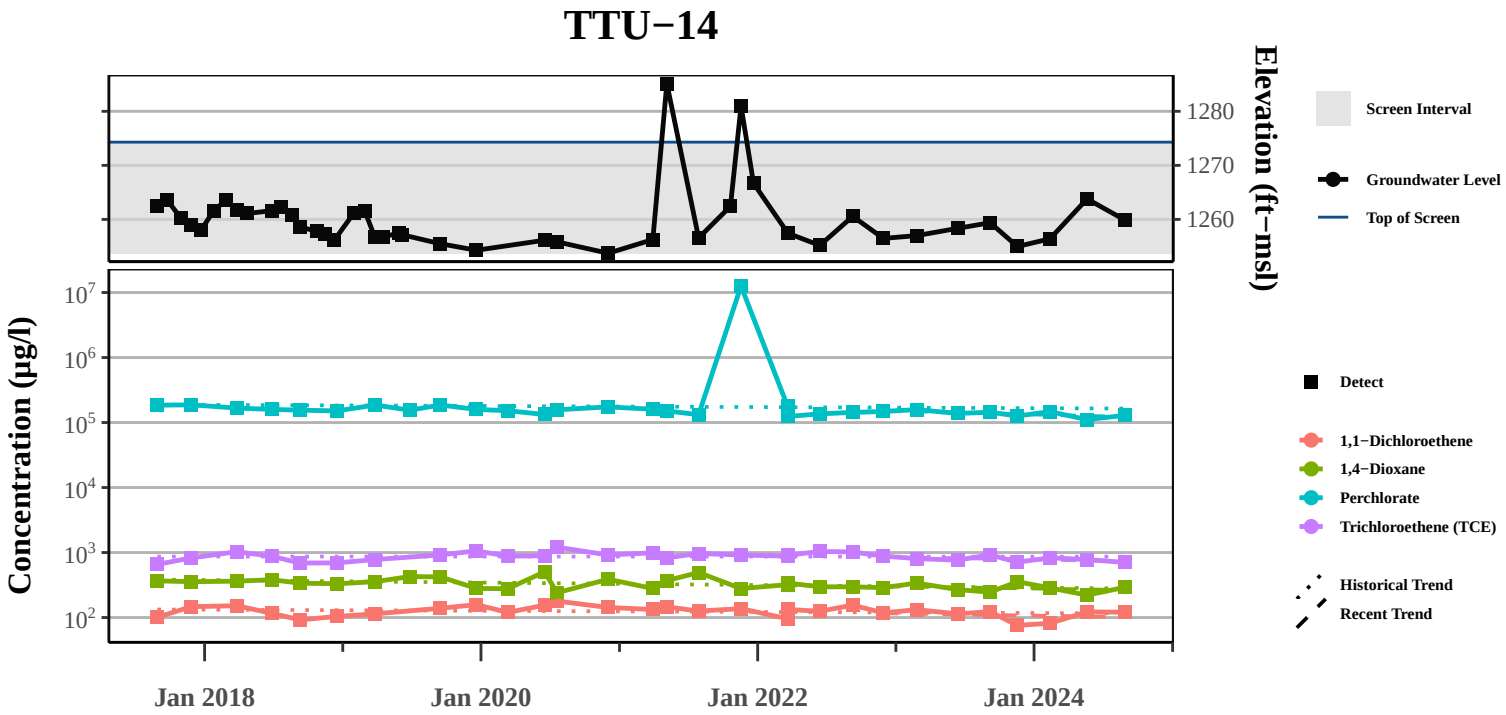
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	30.00	180.00
Screen Elevation (ft-msl)	1282.21	1132.21

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	29	No Trend	No Trend	3.210
1,4-Dioxane	29	Increasing	Stable	-26.7
Perchlorate	29	No Trend	Stable	-5720
Trichloroethene (TCE)	29	Probably Increasing	No Trend	42.2



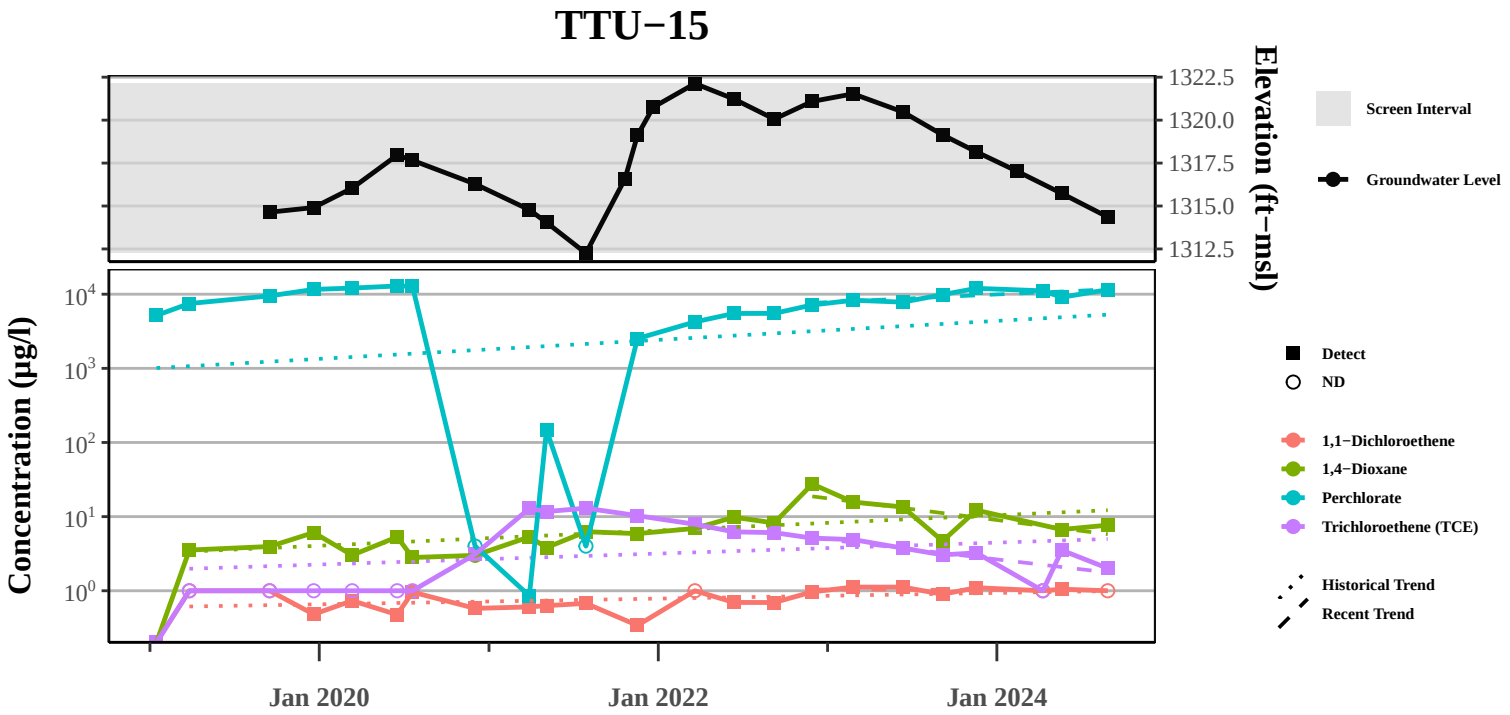
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	30.00	80.00
Screen Elevation (ft-msl)	1280.79	1230.79

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	29	Decreasing	Stable	-0.466
1,4-Dioxane	29	Stable	Stable	1.070
Perchlorate	30	Decreasing	Stable	-1210
Trichloroethene (TCE)	29	Decreasing	Stable	-0.387



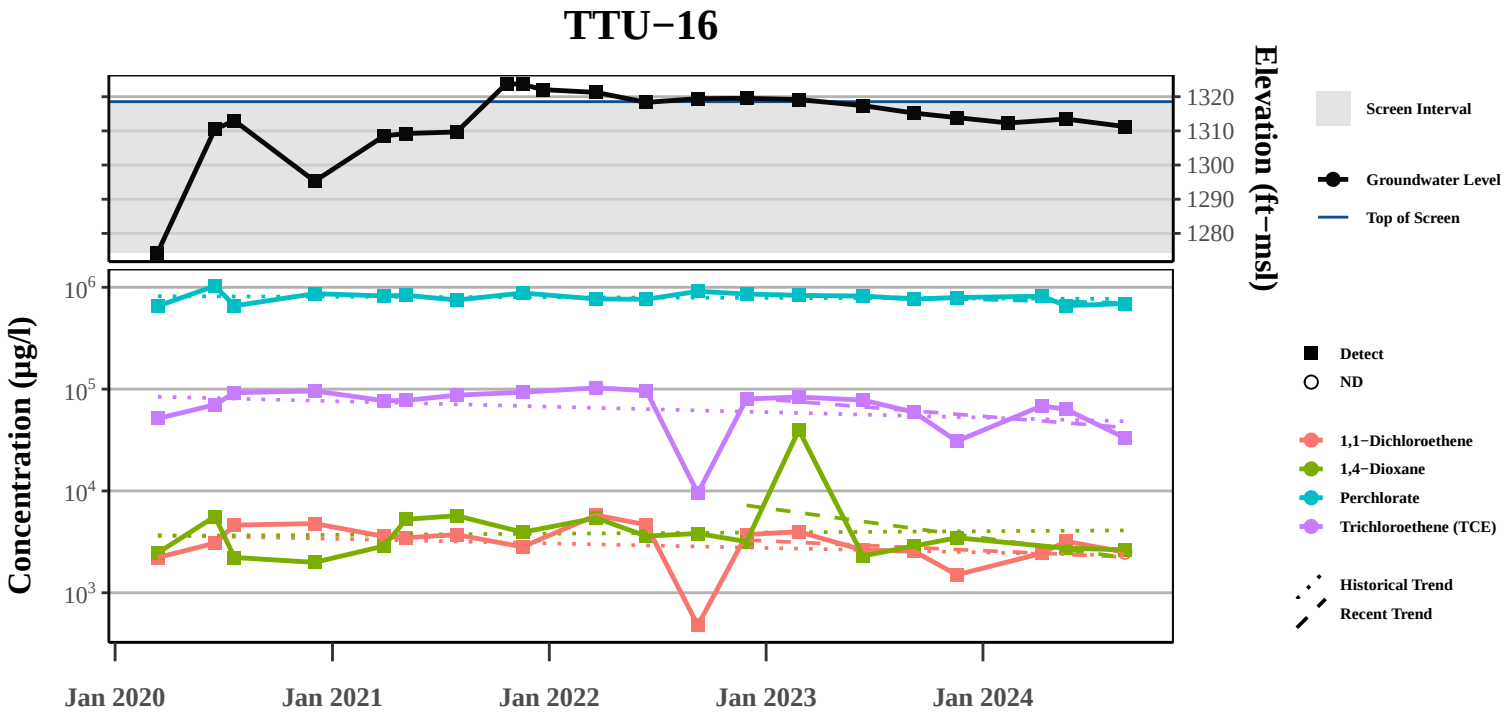
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	45.0	100.0
Screen Elevation (ft-msl)	1274.3	1219.3

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	29	Stable	Stable	-7.690
1,4-Dioxane	30	Decreasing	Stable	-20.8
Perchlorate	30	Decreasing	Probably Decreasing	-17500
Trichloroethene (TCE)	29	Stable	Probably Decreasing	-67.6



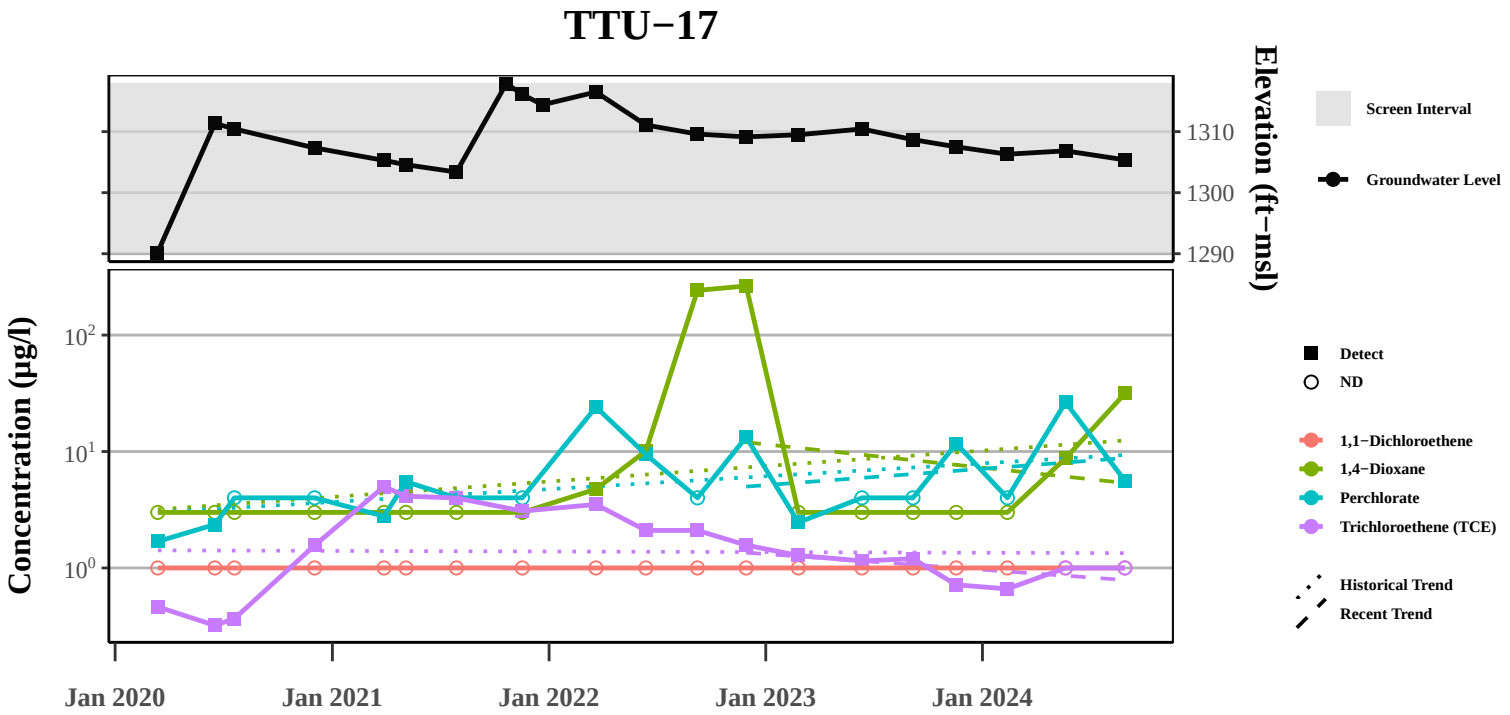
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	10.00	100.00
Screen Elevation (ft-msl)	1340.85	1250.85

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	23	Increasing	Stable	-0.015
1,4-Dioxane	22	Increasing	Decreasing	-9.330
Perchlorate	23	Probably Increasing	Increasing	2210
Trichloroethene (TCE)	23	No Trend	Decreasing	-1.830



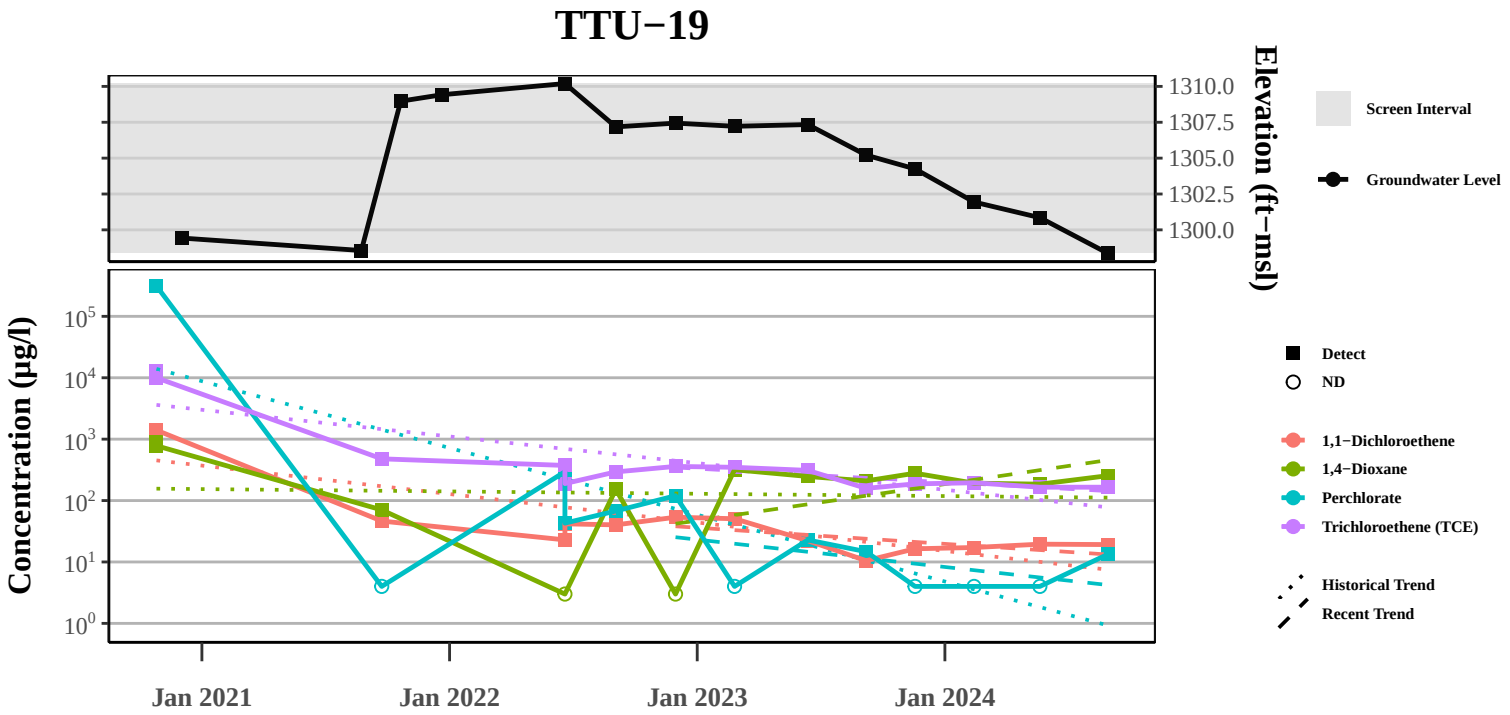
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	20.00	95.60
Screen Elevation (ft-msl)	1318.55	1242.95

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	19	Probably Decreasing	Probably Decreasing	-676
1,4-Dioxane	18	No Trend	No Trend	-9010
Perchlorate	19	Stable	Decreasing	-91900
Trichloroethene (TCE)	19	Probably Decreasing	Decreasing	-22100



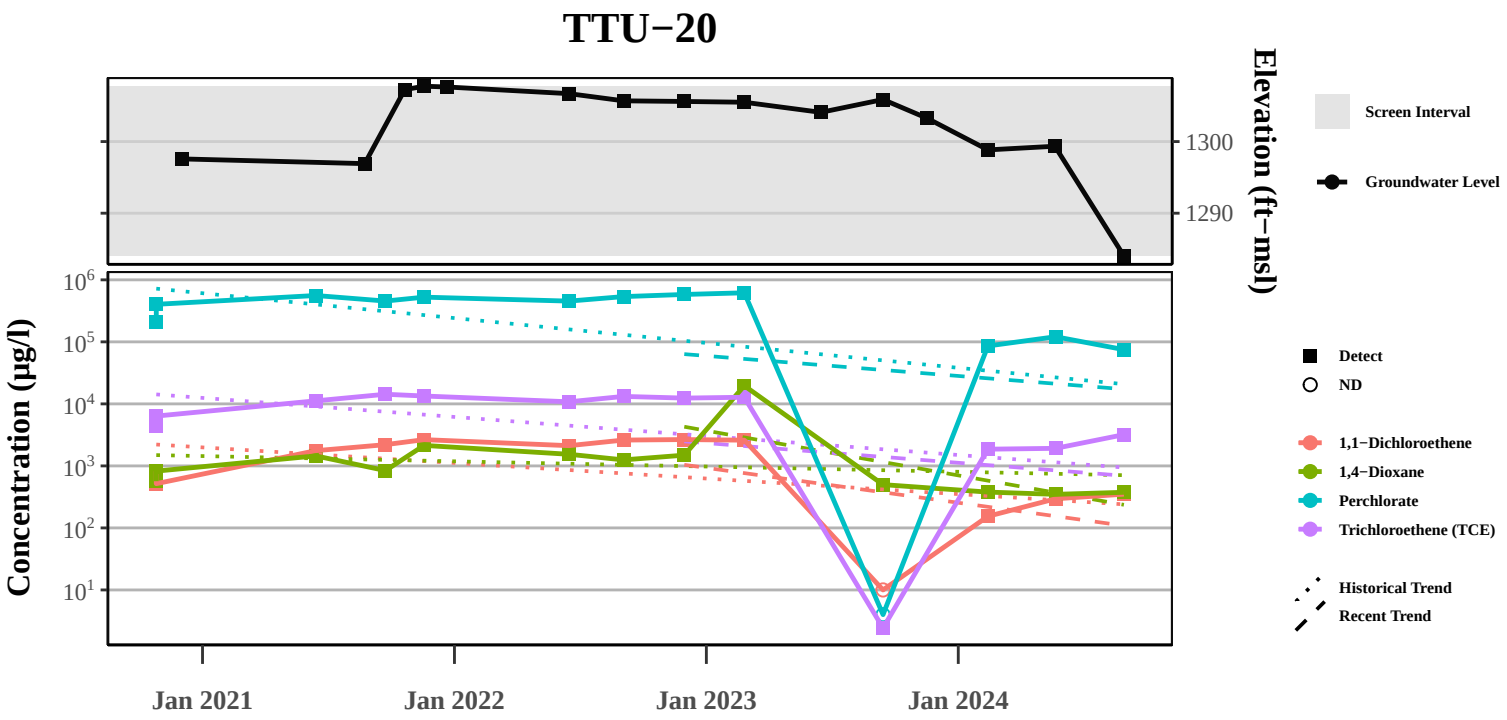
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	20.00	101.00
Screen Elevation (ft-msl)	1327.49	1246.49

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	19	Stable	Stable	NA
1,4-Dioxane	19	Increasing	No Trend	-78.3
Perchlorate	19	Increasing	No Trend	3.450
Trichloroethene (TCE)	19	Probably Decreasing	Decreasing	-0.349



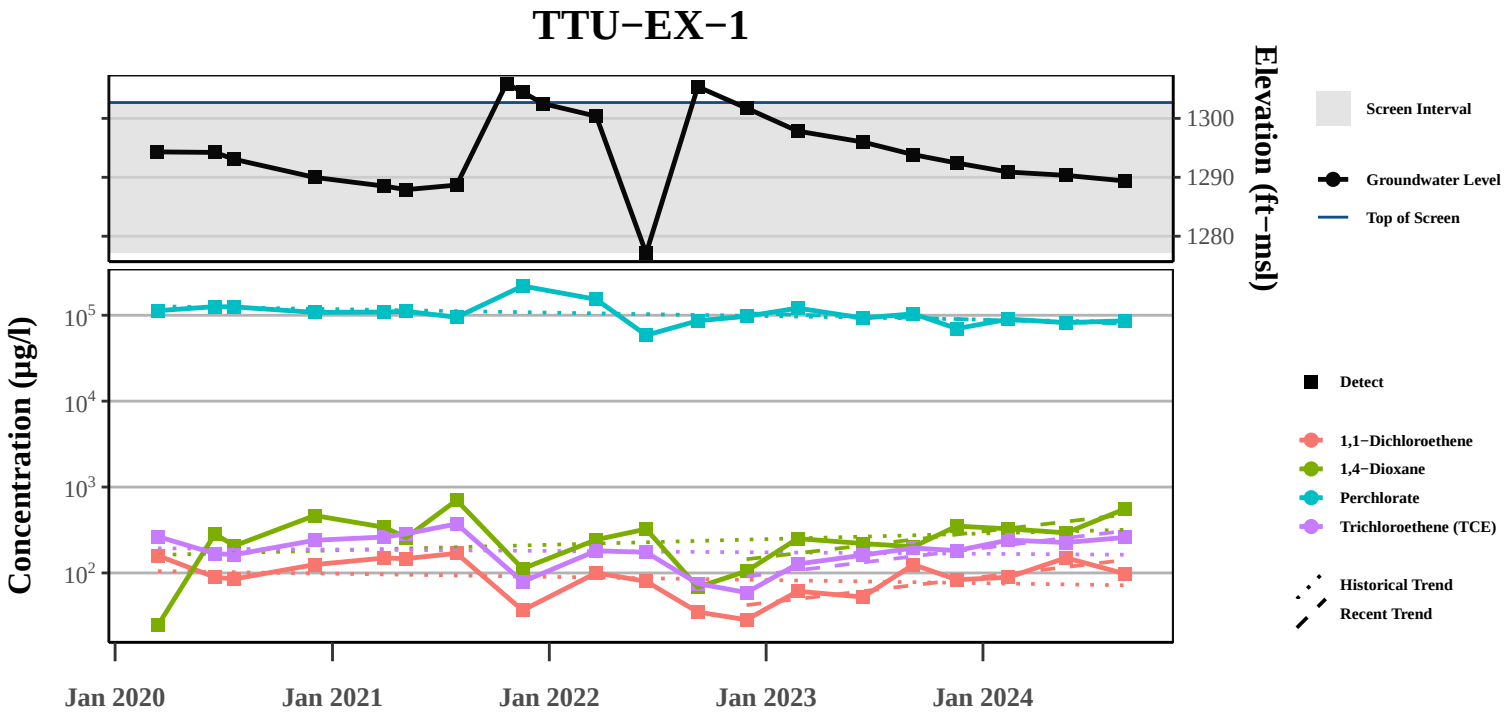
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	25.00	95.00
Screen Elevation (ft-msl)	1311.67	1241.67

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	14	Decreasing	Stable	-20.0
1,4-Dioxane	13	Stable	Stable	49.0
Perchlorate	14	Decreasing	No Trend	-39.5
Trichloroethene (TCE)	14	Decreasing	Decreasing	-126



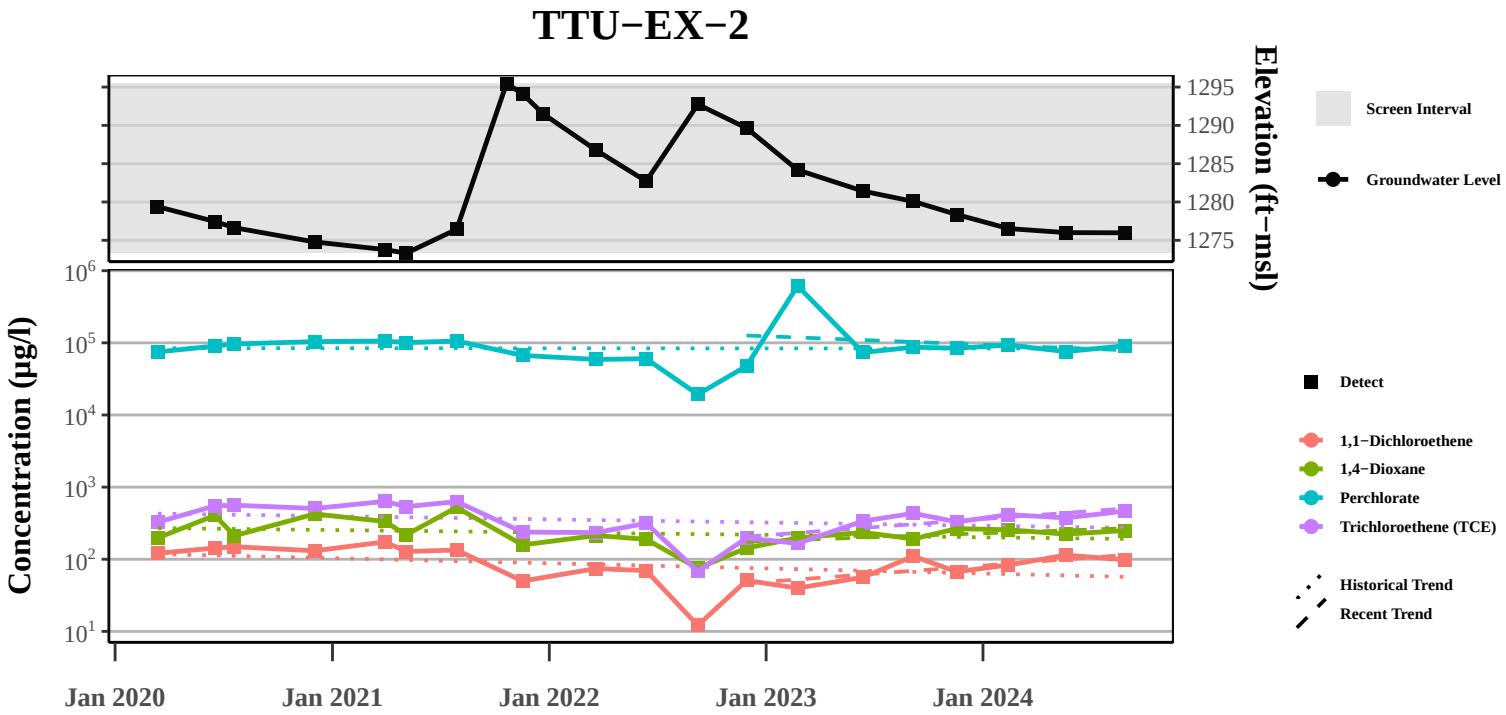
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	25.0	95.0
Screen Elevation (ft-msl)	1311.9	1241.9

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	13	Stable	No Trend	-1530
1,4-Dioxane	13	No Trend	Decreasing	-5820
Perchlorate	13	Stable	No Trend	-328000
Trichloroethene (TCE)	13	Stable	Stable	-6490



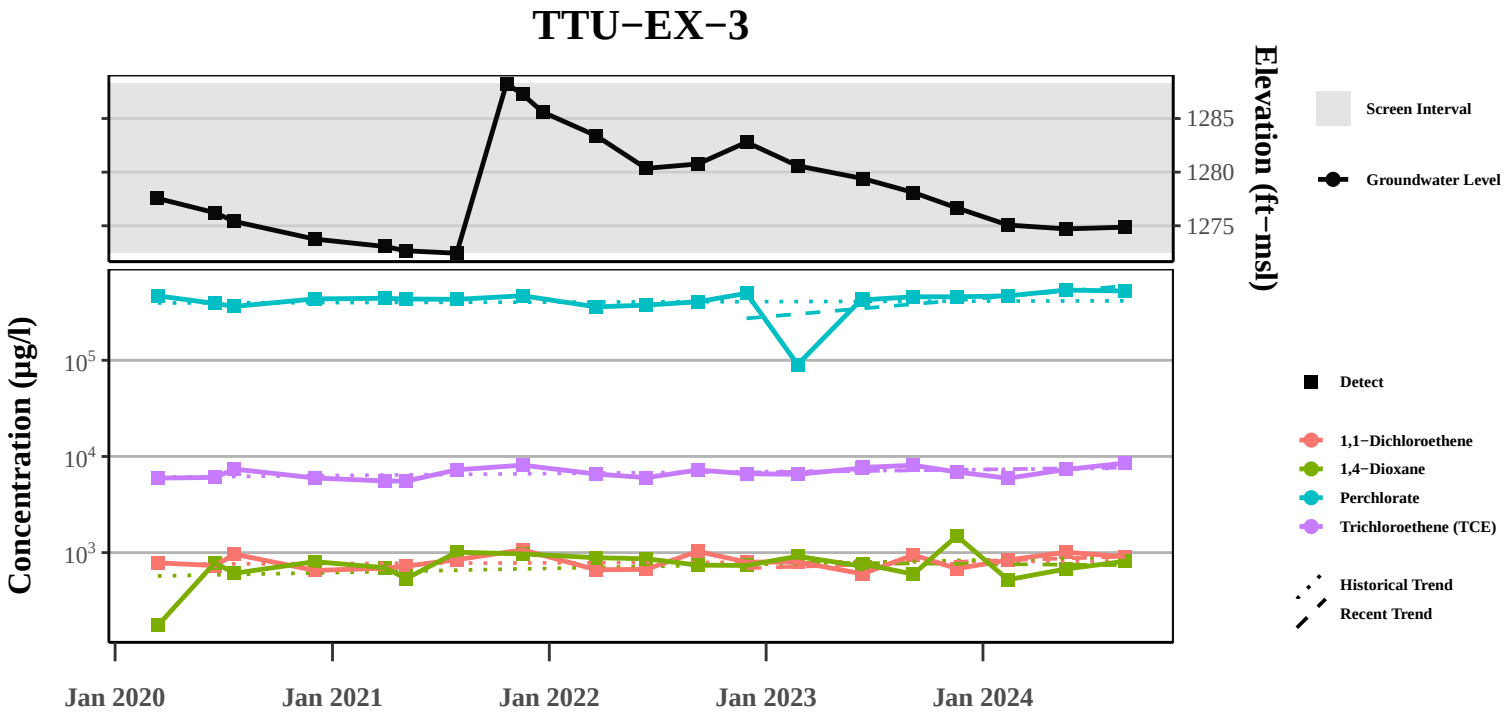
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	19.00	110.70
Screen Elevation (ft-msl)	1302.69	1210.99

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	19	Stable	Increasing	48.4
1,4-Dioxane	19	No Trend	Increasing	186
Perchlorate	19	Decreasing	Probably Decreasing	-15100
Trichloroethene (TCE)	19	Stable	Increasing	103



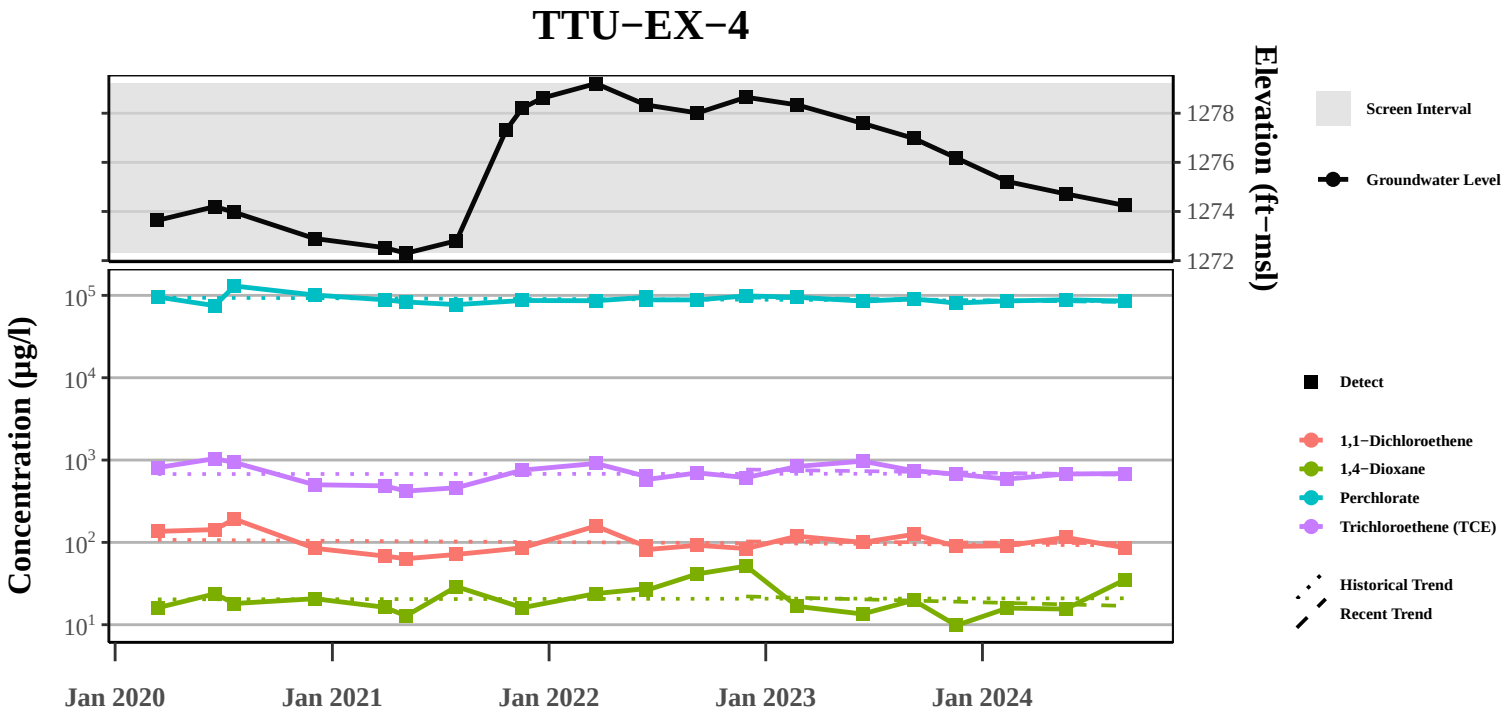
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	20.0	110.0
Screen Elevation (ft-msl)	1296.4	1206.4

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	19	Decreasing	Increasing	36.3
1,4-Dioxane	19	Stable	Probably Increasing	49.0
Perchlorate	19	No Trend	No Trend	-117000
Trichloroethene (TCE)	19	Stable	Increasing	150



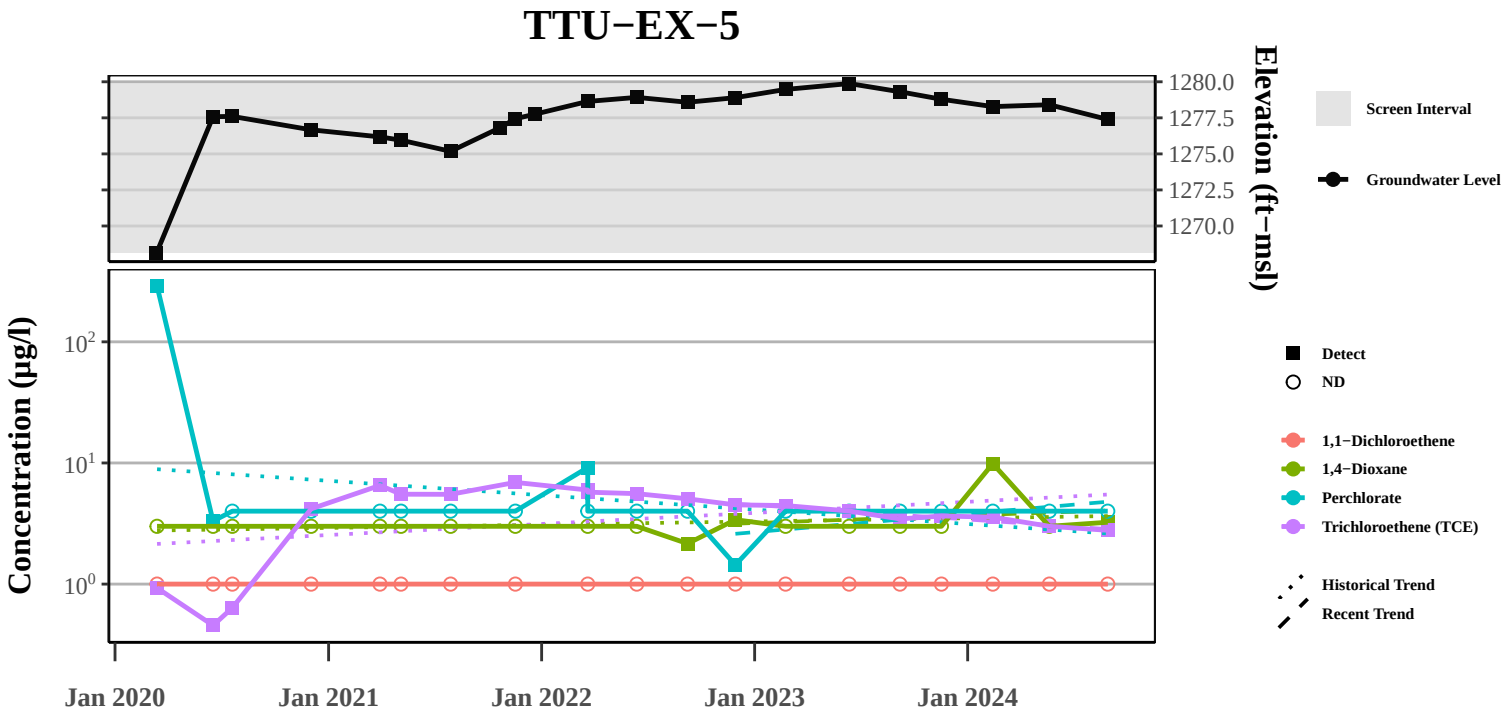
Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	20.00	101.45
Screen Elevation (ft-msl)	1296.85	1215.40

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	20	No Trend	Probably Increasing	129
1,4-Dioxane	20	No Trend	Stable	-16.5
Perchlorate	20	Increasing	Increasing	121000
Trichloroethene (TCE)	20	Increasing	No Trend	513



Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	20.00	110.70
Screen Elevation (ft-msl)	1299.96	1209.26

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	20	No Trend	Stable	-3.150
1,4-Dioxane	20	Stable	Stable	-5.870
Perchlorate	20	Stable	Stable	-6500
Trichloroethene (TCE)	20	Stable	Stable	-67.0



Area: TTU	Top Screen	Bottom Screen
Screen Depth (ft-btoc)	20.0	110.8
Screen Elevation (ft-msl)	1299.5	1208.7

Analyte	N	Historical Trend	Recent Trend	Recent RoC (ug/L/year)
1,1-Dichloroethene	19	Stable	Stable	NA
1,4-Dioxane	19	Probably Increasing	No Trend	0.870
Perchlorate	20	No Trend	Probably Increasing	0.875
Trichloroethene (TCE)	20	Probably Decreasing	Decreasing	-1.000

ATTACHMENT 3

DATA VALIDATION MEMORANDUM

Geosyntec consultants

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Phoenix, AZ 85028PH 602-513-5812
www.geosyntec.com

Memorandum

Date:	14 November 2024 – Revision 1
To:	Tory Luttermoser
From:	Symone Stocking
CC:	Morgan Greenwald, Todd Olsen
Subject:	**Stage 2A Data Validation - Level II Data Deliverables, Pace Analytical Sample Delivery Groups (SDGs) L1772628, Revised Report, and L1781373, and Eurofins Job Number 550-222782-1**

SITE: Nammo Defense Systems Inc. (NDS) - Thermal Treatment Unit (TTU)

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twenty-seven groundwater samples, including two samples designated for matrix spike/matrix spike duplicate (MS/MSD) analyses, four field duplicate samples, and two trip blanks, collected on 27 and 28 August and 24 September 2024, as part of the NDS TTU third Quarter 2024 groundwater sampling event.

Samples were submitted to Pace Analytical Laboratory (Pace) in Mount Juliet, Tennessee and analyzed for the following tests:

- Perchlorate by United States Environmental Protection Agency (USEPA) Method 314.0 (Modified)
- Volatile Organic Compounds (VOCs) by USEPA Method 8260B
- 1,4-Dioxane by USEPA Method 8260B using Selected Ion Monitoring (SIM) Mode

Samples were submitted to Eurofins in Phoenix, Arizona and analyzed for the following test:

- Perchlorate by United States Environmental Protection Agency (USEPA) Method 314.0

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the Quality Assurance Project Plan for Nammo Defense Systems Inc. Facility, Mesa, Arizona, February 2024 (QAPP), Groundwater Sampling and Analysis Plan, Former Thermal Treatment Unit, Nammo Defense Systems Inc., Mesa, Arizona, September 2022 (SAP), the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review, November 2020 (EPA-540-R-20-005), the USEPA NFG for Inorganic Superfund Methods Data Review, November 2020 (EPA-542-R-20-006), and the Draft Region 9 Superfund Data Evaluation/Validation Guidance, December 2001 (R9QA/006.1), as well as the pertinent methods referenced by the laboratory reports, and professional and technical judgment.

The following samples were analyzed and validated at a Stage 2A level in the data sets:

Laboratory ID	Client ID
L1772628-01	TTU-1-GW-50-20240828
L1772628-02	TTU-2-GW-114-20240828
L1772628-03	TTU-5-GW-110-20240828
L1772628-04	TTU-9A-GW-61-20240828
L1772628-05	TTU-9A-GW-61-20240828-DUP
L1772628-06	TTU-11-GW-73-20240828
L1772628-07	TTU-12-GW-82-20240828
L1772628-08	TTU-13-GW-51-20240828
L1772628-09	TTU-14-GW-69-20240828
L1772628-10	TTU-14-GW-69-20240828-DUP
L1772628-11	TTU-3-GW-108-20240827
L1772628-12	TTU-4-GW-57-20240827
L1772628-13	TTU-6-GW-143-20240827
L1772628-14	TTU-7-GW-345-20240827
L1772628-15	TTU-8-GW-164-20240827
L1772628-16	TTU-10-GW-172-20240827
L1772628-17	TTU-15-GW-75-20240827

Laboratory ID	Client ID
L1772628-18	TTU-16-GW-80-20240827
L1772628-19	TTU-EX-1-GW-69-20240827
L1772628-20	TTU-EX-2-GW-74-20240827
L1772628-21	TTU-EX-3-GW-76-20240827
L1772628-22	TTU-EX-3-GW-76-20240827-DUP
L1772628-23	TTU-17-GW-80-20240828
L1772628-24	TTU-19-GW-73-20240828
L1772628-25	TTU-20-GW-73-20240828
L1772628-26	TTU-EX-4-GW-77-20240828
L1772628-27	TTU-EX-5-GW-80-20240828
L1772628-28	PF-2-GW-400-20240827
L1772628-29	TB-20240827
L1772628-30	TB-20240828
550-222782-1	PF-2-GW-400-20240827
550-222782-2	PF-2-GW-400-20240827-DUP
L1781373-01	TTU-6-GW-143-20240924

The samples were received at Pace at 0.4 degrees Celsius (ºC),1.9ºC, and 3.5ºC. The samples were received at Eurofins at 1.4ºC. The receipt temperatures met the QAPP criteria of approximately 4ºC, based on professional and technical judgment.

Incorrect error corrections were observed on the COC instead of the proper procedure of a single strike through, correction, and initials and date of the person making the corrections.

The L1772628 laboratory report was revised on 11 September 2024, 16 September 2024, 20 September 2024, and 24 September 2024. These revisions were issued to generate electronic data deliverables (EDDs), update sample IDs and collection dates, update sample reporting units,

include the undiluted analysis result for 1,1-dichloroethene in sample TTU-20-GW-73-20240828, and to correct the acetone relative percent difference (RPD) in the MS/MSD pair in batch WG2354306. The revised report is identified as L1772628, Revised Report.

1.0 Perchlorate

The samples were analyzed for perchlorate by USEPA Methods 314.0 and 314.0 (Modified).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
⊗ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The perchlorate data reported in these laboratory reports are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for the sample sets is 100%.

1.2 Holding Times

The holding time for the perchlorate analysis of an aqueous sample is 28 days from sample collection to analysis. The holding time was met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported (batches WG2353444, WG2353445, WG2369573, and 325545). Perchlorate was not detected in the method blanks at or above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate

The SAP indicated that one MS/MSD pair will be collected for every 20 environmental samples collected for each analytical/matrix type. Four sample set specific MSs were reported, using samples TTU-4-GW-57-20240827, TTU-7-GW-345-20240827, TTU-8-GW-164-20240827, and TTU-19-GW-73-20240828 and four MS/MSD pairs were reported, using samples TTU-3-GW-108-20240827, TTU-EX-5-GW-80-20240828, PF-2-GW-400-20240827, and TTU-6-GW-143-20240924. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of perchlorate in the MS/MSD pair using sample TTU-EX-5-GW-80-20240828 were high and outside the laboratory specified acceptance criteria. Since perchlorate was not detected in sample TTU-EX-5-GW-80-20240828, no qualifications were applied.

The MS recovery of perchlorate was high and outside the laboratory specified acceptance criteria in the MS/MSD pair using sample TTU-6-GW-143-20240924. However, since the sample concentration was more than four times the spike concentration, no qualifications were applied to the data.

Batch sample MSs and MS/MSD pairs were also reported. Since these were batch QC, the results did not impact the data and did not result in qualification of the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs, one LCS/LCS duplicate (LCSD) pair, and one minimum reporting limit (MRL) standard were reported. The recoveries and RPDs were within the laboratory specified acceptance criteria.

1.6 Laboratory Duplicate

Three sample set specific laboratory duplicates were reported, using samples TTU-3-GW-108-20240827,TTU-EX-5-GW-80-20240828, and TTU-6-GW-143-20240924. The RPD results were within the laboratory specified acceptance criteria.

1.7 Field Duplicate

The SAP specifies that field duplicates should be collected and analyzed at a frequency of one for every 10 environmental samples collected for each analytical/matrix type. Four field duplicates were collected with the sample sets and analyzed for perchlorate: TTU-9A-GW-61-20240828-DUP, TTU-14-GW-69-20240828-DUP, TTU-EX-3-GW-76-20240827-DUP, and PF-2-GW-400-20240827-DUP. Acceptable precision (RPD $\leq$30%) was demonstrated between the field

duplicates and original samples, TTU-9A-GW-61-20240828, TTU-14-GW-69-20240828, TTU-EX-3-GW-76-20240827, and PF-2-GW-400-20240827, respectively, with the following exceptions.

Perchlorate was detected in field duplicate TTU-9A-GW-61-20240828-DUP at a concentration greater than the reporting limit (RL) and not detected in sample TTU-9A-GW-61-20240828, resulting in a noncalculable RPD between the results. Therefore, based on professional and technical judgment, the perchlorate concentration in TTU-9A-GW-61-20240828-DUP was J qualified as estimated and the non-detect result in sample TTU-9A-GW-61-20240828 was UJ qualified as less than the estimated RL.

Sample ID	Analyte	Laboratory Result (ug/L)	Laboratory Flag	RPD (%)	Validation Result (ug/L)	Validation Qualifier*	Reason Code**
TTU-9A-GW-61-20240828	Perchlorate	4.00	U	NC	4.00	UJ	7
TTU-9A-GW-61-20240828-DUP	Perchlorate	4.24	NA		4.24	J	7

ug/L - microgram per liter
NA- Not applicable
NC- Not Calculable
RPD – Relative percent difference
U - The analyte was analyzed for, but was not detected at or above the reported sample quantitation limit.
* - Validation qualifiers are defined in Attachment 1 at the end of this report
** - Reason codes are defined in Attachment 2 at the end of this report

1.8 Sensitivity

The samples were reported to the RLs. No elevated non-detect results were reported. The Method 314.0 (Modified) RL of 4.0 µg/L met the screening level for perchlorate of 14 µg/L indicated in Table 4-1 of the SAP. The Method 314.0 RL of 1.0 µg/L met the trigger level for perchlorate of 3.2 µg/L indicated in Table 4-1 of the SAP.

1.9 Electronic Data Deliverable Review

Results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20%. No discrepancies were identified between the level II reports and the EDDs.

2.0 Volatile Organic Compounds

The samples were analyzed for VOCs per USEPA Method 8260B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues

were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
⊗ Laboratory Control Sample
✓ Surrogates
✓ Field Duplicate
✓ Trip Blank
✓ Sensitivity
✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The VOC data reported in the laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for the sample set is 100%.

The internal standard (IS) responses for the samples were reported in the laboratory report. The IS responses were within the method specified acceptance criteria.

The results of initial and dilution analyses were reported by the laboratory for 1,1-dichloroethene for sample TTU-20-GW-73-20240828. The concentration of 1,1-dichloroethene in the initial analysis of sample TTU-20-GW-73-20240828 was E1-flagged by the laboratory to indicate that the analyte concentration is estimated because it exceeded the calibration range. However, 1,1-dichloroethene was not detected in the dilution analysis of sample TTU-20-GW-73-20240828. Therefore, the 1,1-dichloroethene concentration reported from the initial analysis of this sample was considered for validation. The 1,1-dichloroethene concentration reported from the initial analysis of sample TTU-20-GW-73-20240828 was J qualified as estimated.

Sample ID	Analyte	Laboratory Result (ug/L)	Laboratory Flag	Validation Result (ug/L)	Validation Qualifier	Reason code
TTU-20-GW-73-20240828	1,1-Dichloroethene	350	E1	350	J	10

ug/L - microgram per liter
E1 - Laboratory flag indicating that the concentration is estimated. The analyte exceeded the calibration range. Reanalysis was not possible due to insufficient sample.

2.2 Holding Times

The holding time for the VOC analysis of preserved water samples is 14 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported (batches WG2354306, WG2354592, WG2354942, WG2355991, WG2356876, and WG2357065). VOCs were not detected in the method blanks at or above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

The SAP indicated that one MS/MSD pair will be collected for every 20 environmental samples collected for each analytical/matrix type. Two sample set specific MS/MSD pairs were reported, using samples TTU-3-GW-108-20240827 and TTU-EX-5-GW-80-20240828. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The bromomethane recoveries and the acetone RPD were high and outside the laboratory specified acceptance criteria in the MS/MSD pair using sample TTU-3-GW-108-20240827. Since these analytes were not detected in sample TTU-3-GW-108-20240827, no qualifications were applied to the data.

The recoveries of acetone and acrolein were high and outside the laboratory specified acceptance criteria in the MS/MSD pair using sample TTU-EX-5-GW-80-20240828. Since these analytes were not detected in sample TTU-EX-5-GW-80-20240828, no qualifications were applied to the data.

MS/MSD pairs were not reported in batches WG2354592, WG2355991, WG2356876, and WG2357065. LCS/LCSD pairs were used to assess precision and accuracy in these batches.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCS/ LCSD pairs were reported. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

One or both recoveries of acetone and acrylonitrile were high and outside the laboratory specified acceptance criteria in the LCS/LCSD pair reported in batch WG2354942. Since acetone and

acrylonitrile were not detected in the associated samples, no qualifications were applied to the data.

The RPDs of bromomethane, chloromethane, dichloromethane, and propene were high and outside the laboratory specified acceptance criteria in the LCS/LCSD pair reported in batch WG2354592. Since these analytes were not detected in the associated samples, no qualifications were applied to the data.

The RPDs of bromomethane, n-hexane, and 1,2,3-trichloropropane were high and outside the laboratory specified acceptance criteria in the LCS/LCSD pair reported in batch WG2355991. Since these analytes were not detected in the associated samples, no qualifications were applied to the data.

The LCSD recovery of methylene chloride (dichloromethane) was low and outside the laboratory specified acceptance criteria in batch WG2354592. Therefore, based on technical and professional judgement, the non-detect dichloromethane results in the associated samples were UJ qualified as less than the estimated RL.

Sample ID	Analyte	Laboratory Result (ug/L)	Laboratory Flag	Validation Result (ug/L)	Validation Qualifier	Reason code
TTU-EX-1-GW-69-20240827	Dichloromethane	50.0	L2,R7	50.0	UJ	5
TTU-EX-3-GW-76-20240827	Dichloromethane	1250	L2,R7	1250	UJ	5
TTU-EX-3-GW-76-20240827-DUP	Dichloromethane	1250	L2,R7	1250	UJ	5
TTU-17-GW-80-20240828	Dichloromethane	5.00	L2,R7	5.00	UJ	5
TTU-20-GW-73-20240828	Dichloromethane	5.00	L2,R7	5.00	UJ	5

ug/L - microgram per liter
L2 - Laboratory flag indicating the associated blank spike recovery was below laboratory acceptance limits.
R7 - Laboratory flag indicating that the LCS/LCSD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria

2.6 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses.

2.7 Field Duplicate

The SAP specifies that field duplicates should be collected and analyzed at a frequency of one for every 10 environmental samples collected for each analytical/matrix type. Three field duplicates were collected with the sample sets and analyzed for perchlorate: TTU-9A-GW-61-20240828-DUP, TTU-14-GW-69-20240828-DUP, and TTU-EX-3-GW-76-20240827-DUP. Acceptable

precision (RPD ≤30%) was demonstrated between the field duplicates and original samples, TTU-9A-GW-61-20240828, TTU-14-GW-69-20240828, and TTU-EX-3-GW-76-20240827, respectively, with the following exceptions.

1,1-Dichloroethane, 1,1,2-trichloroethane, benzene, cis-1,2-dichloroethene and tetrachloroethene were detected at concentrations greater than the RLs in field duplicate TTU-14-GW-69-20240828-DUP and not detected in sample TTU-14-GW-69-20240828, resulting in noncalculable RPDs between the results. No qualifications were applied to the data based on the differences in reporting limits between the original sample and field duplicate sample due to dilution of sample TTU-14-GW-69-20240828.

2.8 Trip Blank

The SAP specified that one trip blank will be submitted with every cooler containing aqueous samples for VOC analyses. Two trip blanks, TB-20240827 and TB-20240828, were submitted with the sample set. VOCs were not detected at or above the RLs in the trip blanks.

2.9 Sensitivity

The samples were reported to the RLs. Elevated non-detect results were reported due to the dilutions analyzed. The undiluted RLs met the screening levels indicated in Table 4-1 of the SAP.

2.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. No discrepancies were identified between the level II report and the EDD.

3.0 1,4-Dioxane

The samples were analyzed for 1,4-dioxane per USEPA Method 8260B-SIM.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

✓ Overall Assessment
⊗ Holding Times
✓ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample

- ✓ Surrogates
- ✓ Field Duplicate
- ✓ Trip Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

3.1 Overall Assessment

The 1,4-dioxane data reported in the laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for the sample set is 100%.

The IS responses for the samples were reported in the laboratory reports. The IS responses were within the method specified acceptance criteria.

3.2 Holding Times

The holding time for the 1,4-dioxane analysis of a preserved water sample is 14 days from sample collection to analysis. The holding time for the 1,4-dioxane analysis of unpreserved water samples is 7 days from sample collection to analysis. The holding times were met for the sample analyses, with the following exception.

The case narrative indicated that the pH of the sample aliquot submitted for 1,4-dioxane analysis of sample TTU-19-GW-73-20240828 was >2. Therefore, since the sample was analyzed outside the 7-day holding time for an unpreserved sample, the 1,4-dioxane concentration in sample TTU-19-GW-73-20240828 was J qualified as estimated.

Sample ID	Analyte	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier	Reason Code
TTU-19-GW-73-20240828	1,4-Dioxane	254	NA	254	J	1,2

µg/L - microgram per liter
NA - Not Applicable

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported (batches WG2354166, WG2356042, WG2356686, WG2357855, WG2358449, and WG2358907). 1,4-Dioxane was not detected in the method blanks at or above the MDL.

3.4 Matrix Spike/Matrix Spike Duplicate

The SAP indicated that one MS/MSD pair will be collected for every 20 environmental samples collected for each analytical/matrix type. Two sample set specific MS/MSD pairs were reported, using samples TTU-3-GW-108-20240827 and TTU-EX-5-GW-80-20240828. The recovery and RPD results were within the laboratory specified acceptance criteria.

MS/MSD pairs were not reported for batches WG2354166, WG2357855, WG2358449, and WG2358907. LCS/LCSD pairs were used to assess precision and accuracy in those batches.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCS/LCSD pairs were reported. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Surrogates

Acceptable surrogate recoveries were reported for the sample analyses.

3.7 Field Duplicate

The SAP specifies that field duplicates should be collected and analyzed at a frequency of one for every 10% environmental samples collected for each analytical/matrix type. Three field duplicates were collected with the sample set and analyzed for 1,4-dioxane: TTU-9A-GW-61-20240828-DUP, TTU-14-GW-69-20240828-DUP, and TTU-EX-3-GW-76-20240827-DUP. Acceptable precision (RPD $\leq$30%) was demonstrated between the field duplicates and original samples, TTU-9A-GW-61-20240828, TTU-14-GW-69-20240828, and TTU-EX-3-GW-76-20240827, respectively.

3.8 Trip Blank

The SAP specified that one trip blank will be submitted with every cooler containing aqueous samples for VOC analyses. Two trip blanks, TB-20240827 and TB-20240828, were submitted with the sample set. 1,4-dioxane was not detected at or above the RL in the trip blanks.

3.9 Sensitivity

The samples were reported to the RL. No elevated non-detect results were reported. There are no site specific technical and regulatory quality standards provided for 1,4-dioxane in Table 4-1 of the SAP.

3.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. No discrepancies were identified between the level II report and the EDD.

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ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U — The analyte was analyzed for, but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result".

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ — The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- — The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ — The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Calibration range exceeded
11	Internal standard or isotope dilution standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed or modified
NV	Result not considered for validation

LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
RPD - Relative percent difference

ATTACHMENT 4

LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

October 10, 2024

Revised Report

Nammo Defense Systems

Sample Delivery Group:	L1772628
Samples Received:	08/29/2024
Project Number:	
Description:	Nammo TTU
Report To:	Kate Blatchford 4051 N. Higley Rd Mesa, AZ 85215

Entire Report Reviewed By:

Jordan N Zito
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

TTU-1-GW-50-20240828 L1772628-01 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 12:35 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	250	09/04/24 14:50	09/04/24 14:50	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 16:19	08/31/24 16:19	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2354166	1	09/04/24 20:52	09/04/24 20:52	ACG	Mt. Juliet, TN

TTU-2-GW-114-20240828 L1772628-02 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 11:42 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	2500	09/04/24 15:18	09/04/24 15:18	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 16:42	08/31/24 16:42	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2355991	50	09/05/24 04:55	09/05/24 04:55	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 13:58	09/05/24 13:58	ACG	Mt. Juliet, TN

TTU-5-GW-110-20240828 L1772628-03 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 13:42 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/30/24 19:30	08/30/24 19:30	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 17:05	08/31/24 17:05	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2355991	1	09/05/24 02:12	09/05/24 02:12	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 14:20	09/05/24 14:20	ACG	Mt. Juliet, TN

TTU-9A-GW-61-20240828 L1772628-04 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 13:10 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/30/24 19:58	08/30/24 19:58	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 17:28	08/31/24 17:28	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 14:42	09/05/24 14:42	ACG	Mt. Juliet, TN

TTU-9A-GW-61-20240828-DUP L1772628-05 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 13:10 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/30/24 20:25	08/30/24 20:25	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 17:50	08/31/24 17:50	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 15:04	09/05/24 15:04	ACG	Mt. Juliet, TN

TTU-11-GW-73-20240828 L1772628-06 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 09:35 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/30/24 20:53	08/30/24 20:53	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2355991	10	09/05/24 05:15	09/05/24 05:15	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 15:26	09/05/24 15:26	ACG	Mt. Juliet, TN

TTU-12-GW-82-20240828 L1772628-07 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 11:00 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	2500	09/04/24 15:46	09/04/24 15:46	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	20	08/31/24 22:01	08/31/24 22:01	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 15:49	09/05/24 15:49	ACG	Mt. Juliet, TN

TTU-13-GW-51-20240828 L1772628-08 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 12:45 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	500	09/04/24 16:14	09/04/24 16:14	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 18:13	08/31/24 18:13	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 16:25	09/05/24 16:25	ACG	Mt. Juliet, TN

TTU-14-GW-69-20240828 L1772628-09 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 12:05 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	2500	09/04/24 16:42	09/04/24 16:42	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	50	08/31/24 22:24	08/31/24 22:24	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 16:47	09/05/24 16:47	ACG	Mt. Juliet, TN

TTU-14-GW-69-20240828-DUP L1772628-10 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 12:05 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	2500	09/04/24 17:09	09/04/24 17:09	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 18:36	08/31/24 18:36	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2357065	50	09/06/24 01:42	09/06/24 01:42	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 17:09	09/05/24 17:09	ACG	Mt. Juliet, TN

TTU-3-GW-108-20240827 L1772628-11 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 09:55 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/31/24 00:09	08/31/24 00:09	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 18:59	08/31/24 18:59	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2355991	1	09/05/24 02:33	09/05/24 02:33	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 17:31	09/05/24 17:31	ACG	Mt. Juliet, TN

TTU-4-GW-57-20240827 L1772628-12 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 11:25 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/31/24 02:00	08/31/24 02:00	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 19:22	08/31/24 19:22	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 18:06	09/05/24 18:06	ACG	Mt. Juliet, TN

TTU-6-GW-143-20240827 L1772628-13 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 10:32 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	5	08/31/24 12:07	08/31/24 12:07	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 19:45	08/31/24 19:45	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 18:28	09/05/24 18:28	ACG	Mt. Juliet, TN

TTU-7-GW-345-20240827 L1772628-14 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 11:00 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/31/24 03:24	08/31/24 03:24	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 20:07	08/31/24 20:07	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 18:50	09/05/24 18:50	ACG	Mt. Juliet, TN

TTU-8-GW-164-20240827 L1772628-15 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 11:51 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/31/24 04:20	08/31/24 04:20	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 20:30	08/31/24 20:30	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 19:12	09/05/24 19:12	ACG	Mt. Juliet, TN

TTU-10-GW-172-20240827 L1772628-16 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 09:00 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	1	08/31/24 05:16	08/31/24 05:16	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 20:53	08/31/24 20:53	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 19:35	09/05/24 19:35	ACG	Mt. Juliet, TN

TTU-15-GW-75-20240827 L1772628-17 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 15:05 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	250	09/04/24 17:37	09/04/24 17:37	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	1	08/31/24 21:16	08/31/24 21:16	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 19:57	09/05/24 19:57	ACG	Mt. Juliet, TN

TTU-16-GW-80-20240827 L1772628-18 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 14:34 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	20000	09/04/24 18:05	09/04/24 18:05	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354306	2500	08/31/24 22:47	08/31/24 22:47	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2358907	50	09/09/24 21:14	09/09/24 21:14	ACG	Mt. Juliet, TN

TTU-EX-1-GW-69-20240827 L1772628-19 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 14:07 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	2500	09/04/24 18:33	09/04/24 18:33	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354592	10	09/01/24 19:01	09/01/24 19:01	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2356876	10	09/06/24 00:21	09/06/24 00:21	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 20:41	09/05/24 20:41	ACG	Mt. Juliet, TN

TTU-EX-2-GW-74-20240827 L1772628-20 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 13:50 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353444	2500	09/04/24 19:01	09/04/24 19:01	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2356876	20	09/06/24 00:41	09/06/24 00:41	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356042	1	09/05/24 21:33	09/05/24 21:33	ACG	Mt. Juliet, TN

TTU-EX-3-GW-76-20240827 L1772628-21 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 15:26 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	10000	09/07/24 15:48	09/07/24 15:48	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354592	250	09/01/24 19:40	09/01/24 19:40	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2357855	1	09/07/24 17:06	09/07/24 17:06	DYW	Mt. Juliet, TN

TTU-EX-3-GW-76-20240827-DUP L1772628-22 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 15:26 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	10000	09/07/24 16:15	09/07/24 16:15	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354592	250	09/01/24 19:59	09/01/24 19:59	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/06/24 23:02	09/06/24 23:02	DYW	Mt. Juliet, TN

TTU-17-GW-80-20240828 L1772628-23 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 08:30 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	1	09/07/24 16:43	09/07/24 16:43	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354592	1	09/01/24 18:23	09/01/24 18:23	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/06/24 23:29	09/06/24 23:29	DYW	Mt. Juliet, TN

TTU-19-GW-73-20240828 L1772628-24 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 09:13 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	1	09/07/24 17:11	09/07/24 17:11	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2356876	5	09/06/24 01:01	09/06/24 01:01	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/06/24 23:51	09/06/24 23:51	DYW	Mt. Juliet, TN

TTU-20-GW-73-20240828 L1772628-25 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 09:01 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	2000	09/07/24 18:07	09/07/24 18:07	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354592	1	09/01/24 18:42	09/01/24 18:42	GLN	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2356876	500	09/06/24 01:22	09/06/24 01:22	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/07/24 00:13	09/07/24 00:13	DYW	Mt. Juliet, TN

TTU-EX-4-GW-77-20240828 L1772628-26 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 10:04 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	2000	09/07/24 18:35	09/07/24 18:35	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354942	25	09/03/24 11:34	09/03/24 11:34	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/07/24 00:44	09/07/24 00:44	DYW	Mt. Juliet, TN

TTU-EX-5-GW-80-20240828 L1772628-27 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 10:25 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2353445	1	09/07/24 19:03	09/07/24 19:03	CDV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354942	1	09/03/24 07:05	09/03/24 07:05	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/07/24 01:06	09/07/24 01:06	DYW	Mt. Juliet, TN

PF-2-GW-400-20240827 L1772628-28 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 08:00 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354942	1	09/03/24 07:24	09/03/24 07:24	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2358449	1	09/09/24 13:14	09/09/24 13:14	ACG	Mt. Juliet, TN

TB-20240827 L1772628-29 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/27/24 07:00 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354942	1	09/03/24 05:29	09/03/24 05:29	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/06/24 20:45	09/06/24 20:45	DYW	Mt. Juliet, TN

TB-20240828 L1772628-30 GW

Collected by: Daniel Gonzalez | Collected date/time: 08/28/24 07:00 | Received date/time: 08/29/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2354942	1	09/03/24 05:48	09/03/24 05:48	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B-SIM	WG2356686	1	09/06/24 21:07	09/06/24 21:07	DYW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jordan N Zito
Project Manager

Report Revision History

Level II Report - Version 1: 09/11/24 08:58
Level II Report - Version 2: 09/16/24 16:23
Level II Report - Version 3: 09/20/24 15:49
Level II Report - Version 4: 09/24/24 15:51
Level II Report - Version 5: 09/24/24 18:23

Project Narrative

EDD
Collection time update
MSD update

Sample Delivery Group (SDG) Narrative

Insufficient sample volume to perform MS/MSD analyses per method QC requirements.

Lab Sample ID	Project Sample ID	Method
L1772628-10	TTU-14-GW-69-20240828-DUP	8260B
L1772628-18	TTU-16-GW-80-20240827	8260B-SIM
L1772628-19	TTU-EX-1-GW-69-20240827	8260B
L1772628-20	TTU-EX-2-GW-74-20240827	8260B
L1772628-21	TTU-EX-3-GW-76-20240827	8260B, 8260B-SIM
L1772628-22	TTU-EX-3-GW-76-20240827-DUP	8260B
L1772628-23	TTU-17-GW-80-20240828	8260B
L1772628-24	TTU-19-GW-73-20240828	8260B
L1772628-25	TTU-20-GW-73-20240828	8260B
L1772628-28	PF-2-GW-400-20240827	8260B-SIM

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1772628-24	TTU-19-GW-73-20240828	8260B-SIM

Sample Narrative

WG2354306, acetone: L1772628-11 acetone MS/MSD RPD will not display on the report correctly due to recoveries below the MDL. RPD is 9.31

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	13600		1000	250	09/04/2024 14:50	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 16:19	WG2354306
Acrolein	ND		50.0	1	08/31/2024 16:19	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 16:19	WG2354306
Benzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 16:19	WG2354306
Bromoform	ND		1.00	1	08/31/2024 16:19	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 16:19	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 16:19	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 16:19	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 16:19	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 16:19	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 16:19	WG2354306
Chloroform	ND		5.00	1	08/31/2024 16:19	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 16:19	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 16:19	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 16:19	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 16:19	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 16:19	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 16:19	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1-Dichloroethene	7.60		1.00	1	08/31/2024 16:19	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 16:19	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 16:19	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 16:19	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 16:19	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 16:19	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 16:19	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 16:19	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 16:19	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 16:19	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 16:19	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 16:19	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 16:19	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 16:19	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 16:19	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 16:19	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 16:19	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 16:19	WG2354306
Propene	ND		2.50	1	08/31/2024 16:19	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Styrene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 16:19	WG2354306
Toluene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 16:19	WG2354306
Trichloroethene	16.9		1.00	1	08/31/2024 16:19	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 16:19	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 16:19	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 16:19	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 16:19	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 16:19	WG2354306
(S) Toluene-d8	*111*		*80.0-120*		*08/31/2024 16:19*	WG2354306
(S) 4-Bromofluorobenzene	*108*		*77.0-126*		*08/31/2024 16:19*	WG2354306
(S) 1,2-Dichloroethane-d4	*98.9*		*70.0-130*		*08/31/2024 16:19*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	19.9		3.00	1	09/04/2024 20:52	WG2354166
(S) Toluene-d8	*102*		*77.0-127*		*09/04/2024 20:52*	WG2354166

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	162000		10000	2500	09/04/2024 15:18	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 16:42	WG2354306
Acrolein	ND		50.0	1	08/31/2024 16:42	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 16:42	WG2354306
Benzene	1.46		1.00	1	08/31/2024 16:42	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 16:42	WG2354306
Bromoform	ND		1.00	1	08/31/2024 16:42	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 16:42	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 16:42	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 16:42	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 16:42	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 16:42	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 16:42	WG2354306
Chloroform	ND		5.00	1	08/31/2024 16:42	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 16:42	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 16:42	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 16:42	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 16:42	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 16:42	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 16:42	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 16:42	WG2354306
1,1-Dichloroethane	1.11		1.00	1	08/31/2024 16:42	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1-Dichloroethene	121		1.00	1	08/31/2024 16:42	WG2354306
cis-1,2-Dichloroethene	1.94		1.00	1	08/31/2024 16:42	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 16:42	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 16:42	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 16:42	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 16:42	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 16:42	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 16:42	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 16:42	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 16:42	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 16:42	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 16:42	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 16:42	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 16:42	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 16:42	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 16:42	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 16:42	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 16:42	WG2354306
Propene	ND		2.50	1	08/31/2024 16:42	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
Styrene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 16:42	WG2354306
Tetrachloroethene	1.22		1.00	1	08/31/2024 16:42	WG2354306
Toluene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 16:42	WG2354306
1,1,2-Trichloroethane	1.85		1.00	1	08/31/2024 16:42	WG2354306
Trichloroethene	652		50.0	50	09/05/2024 04:55	WG2355991
Trichlorofluoromethane	ND		5.00	1	08/31/2024 16:42	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 16:42	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 16:42	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 16:42	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 16:42	WG2354306
(S) Toluene-d8	*113*		*80.0-120*		*08/31/2024 16:42*	WG2354306
(S) Toluene-d8	*97.9*		*80.0-120*		*09/05/2024 04:55*	WG2355991
(S) 4-Bromofluorobenzene	*109*		*77.0-126*		*08/31/2024 16:42*	WG2354306
(S) 4-Bromofluorobenzene	*90.4*		*77.0-126*		*09/05/2024 04:55*	WG2355991
(S) 1,2-Dichloroethane-d4	*99.6*		*70.0-130*		*08/31/2024 16:42*	WG2354306
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*09/05/2024 04:55*	WG2355991

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	237		3.00	1	09/05/2024 13:58	WG2356042
(S) Toluene-d8	*102*		*77.0-127*		*09/05/2024 13:58*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	37.9		4.00	1	08/30/2024 19:30	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 17:05	WG2354306
Acrolein	ND		50.0	1	08/31/2024 17:05	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 17:05	WG2354306
Benzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 17:05	WG2354306
Bromoform	ND		1.00	1	08/31/2024 17:05	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 17:05	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 17:05	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 17:05	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 17:05	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 17:05	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 17:05	WG2354306
Chloroform	ND		5.00	1	08/31/2024 17:05	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 17:05	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 17:05	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 17:05	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 17:05	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 17:05	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 17:05	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 17:05	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 17:05	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 17:05	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 17:05	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 17:05	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 17:05	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 17:05	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 17:05	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 17:05	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 17:05	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 17:05	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 17:05	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 17:05	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 17:05	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 17:05	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 17:05	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 17:05	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 17:05	WG2354306
Propene	ND		2.50	1	08/31/2024 17:05	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Styrene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 17:05	WG2354306
Toluene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 17:05	WG2354306
Trichloroethene	ND		1.00	1	09/05/2024 02:12	WG2355991
Trichlorofluoromethane	ND		5.00	1	08/31/2024 17:05	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 17:05	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 17:05	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 17:05	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 17:05	WG2354306
(S) Toluene-d8	*110*		*80.0-120*		*08/31/2024 17:05*	WG2354306
(S) Toluene-d8	*98.8*		*80.0-120*		*09/05/2024 02:12*	WG2355991
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*08/31/2024 17:05*	WG2354306
(S) 4-Bromofluorobenzene	*98.1*		*77.0-126*		*09/05/2024 02:12*	WG2355991
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 17:05*	WG2354306
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*09/05/2024 02:12*	WG2355991

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	18.3		3.00	1	09/05/2024 14:20	WG2356042
(S) Toluene-d8	*99.2*		*77.0-127*		*09/05/2024 14:20*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND		4.00	1	08/30/2024 19:58	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 17:28	WG2354306
Acrolein	ND		50.0	1	08/31/2024 17:28	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 17:28	WG2354306
Benzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 17:28	WG2354306
Bromoform	ND		1.00	1	08/31/2024 17:28	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 17:28	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 17:28	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 17:28	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 17:28	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 17:28	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 17:28	WG2354306
Chloroform	ND		5.00	1	08/31/2024 17:28	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 17:28	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 17:28	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 17:28	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 17:28	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 17:28	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 17:28	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 17:28	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 17:28	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 17:28	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 17:28	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 17:28	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 17:28	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 17:28	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 17:28	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 17:28	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 17:28	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 17:28	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 17:28	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 17:28	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 17:28	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 17:28	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 17:28	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 17:28	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 17:28	WG2354306
Propene	ND		2.50	1	08/31/2024 17:28	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Styrene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 17:28	WG2354306
Toluene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 17:28	WG2354306
Trichloroethene	ND		1.00	1	08/31/2024 17:28	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 17:28	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 17:28	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 17:28	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 17:28	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 17:28	WG2354306
(S) Toluene-d8	*107*		*80.0-120*		*08/31/2024 17:28*	WG2354306
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*08/31/2024 17:28*	WG2354306
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*08/31/2024 17:28*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 14:42	WG2356042
(S) Toluene-d8	*99.7*		*77.0-127*		*09/05/2024 14:42*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	4.24		4.00	1	08/30/2024 20:25	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 17:50	WG2354306
Acrolein	ND		50.0	1	08/31/2024 17:50	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 17:50	WG2354306
Benzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 17:50	WG2354306
Bromoform	ND		1.00	1	08/31/2024 17:50	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 17:50	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 17:50	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 17:50	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 17:50	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 17:50	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 17:50	WG2354306
Chloroform	ND		5.00	1	08/31/2024 17:50	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 17:50	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 17:50	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 17:50	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 17:50	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 17:50	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 17:50	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 17:50	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 17:50	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 17:50	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 17:50	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 17:50	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 17:50	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 17:50	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 17:50	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 17:50	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 17:50	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 17:50	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 17:50	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 17:50	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 17:50	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 17:50	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 17:50	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 17:50	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 17:50	WG2354306
Propene	ND		2.50	1	08/31/2024 17:50	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Styrene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 17:50	WG2354306
Toluene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 17:50	WG2354306
Trichloroethene	ND		1.00	1	08/31/2024 17:50	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 17:50	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 17:50	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 17:50	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 17:50	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 17:50	WG2354306
(S) Toluene-d8	*107*		*80.0-120*		*08/31/2024 17:50*	WG2354306
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*08/31/2024 17:50*	WG2354306
(S) 1,2-Dichloroethane-d4	*99.1*		*70.0-130*		*08/31/2024 17:50*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 15:04	WG2356042
(S) Toluene-d8	*99.6*		*77.0-127*		*09/05/2024 15:04*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND		4.00	1	08/30/2024 20:53	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1960		500	10	09/05/2024 05:15	WG2355991
Acrolein	ND		500	10	09/05/2024 05:15	WG2355991
Acrylonitrile	ND		100	10	09/05/2024 05:15	WG2355991
Benzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Bromobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Bromodichloromethane	ND		10.0	10	09/05/2024 05:15	WG2355991
Bromoform	ND		10.0	10	09/05/2024 05:15	WG2355991
Bromomethane	ND	R7	50.0	10	09/05/2024 05:15	WG2355991
1,3-Butadiene	ND		20.0	10	09/05/2024 05:15	WG2355991
n-Butylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
sec-Butylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
tert-Butylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Carbon tetrachloride	ND		10.0	10	09/05/2024 05:15	WG2355991
Carbon disulfide	ND		10.0	10	09/05/2024 05:15	WG2355991
Chlorobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Chlorodibromomethane	ND		10.0	10	09/05/2024 05:15	WG2355991
Chloroethane	ND		50.0	10	09/05/2024 05:15	WG2355991
Chloroform	ND		50.0	10	09/05/2024 05:15	WG2355991
Chloromethane	ND		25.0	10	09/05/2024 05:15	WG2355991
Cyclohexane	ND		10.0	10	09/05/2024 05:15	WG2355991
2-Chlorotoluene	ND		10.0	10	09/05/2024 05:15	WG2355991
4-Chlorotoluene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2-Dibromo-3-Chloropropane	ND		50.0	10	09/05/2024 05:15	WG2355991
1,2-Dibromoethane	ND		10.0	10	09/05/2024 05:15	WG2355991
Dibromomethane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2-Dichlorobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,3-Dichlorobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,4-Dichlorobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Dichlorodifluoromethane	ND		50.0	10	09/05/2024 05:15	WG2355991
1,1-Dichloroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2-Dichloroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1-Dichloroethene	ND		10.0	10	09/05/2024 05:15	WG2355991
cis-1,2-Dichloroethene	46.5		10.0	10	09/05/2024 05:15	WG2355991
trans-1,2-Dichloroethene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2-Dichloropropane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1-Dichloropropene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,3-Dichloropropane	ND		10.0	10	09/05/2024 05:15	WG2355991
cis-1,3-Dichloropropene	ND		10.0	10	09/05/2024 05:15	WG2355991
trans-1,3-Dichloropropene	ND		10.0	10	09/05/2024 05:15	WG2355991
2,2-Dichloropropane	ND		10.0	10	09/05/2024 05:15	WG2355991
Dicyclopentadiene	ND		10.0	10	09/05/2024 05:15	WG2355991
Di-isopropyl ether	ND		10.0	10	09/05/2024 05:15	WG2355991
Ethylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
4-Ethyltoluene	ND		10.0	10	09/05/2024 05:15	WG2355991
Hexachloro-1,3-butadiene	ND		10.0	10	09/05/2024 05:15	WG2355991
n-Hexane	ND	R7	100	10	09/05/2024 05:15	WG2355991
Isopropylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
p-Isopropyltoluene	ND		10.0	10	09/05/2024 05:15	WG2355991
2-Butanone (MEK)	997		100	10	09/05/2024 05:15	WG2355991
Methyl Cyclohexane	ND		10.0	10	09/05/2024 05:15	WG2355991

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		50.0	10	09/05/2024 05:15	WG2355991
4-Methyl-2-pentanone (MIBK)	143		100	10	09/05/2024 05:15	WG2355991
Methyl tert-butyl ether	ND		10.0	10	09/05/2024 05:15	WG2355991
Naphthalene	ND		50.0	10	09/05/2024 05:15	WG2355991
Propene	ND		25.0	10	09/05/2024 05:15	WG2355991
n-Propylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Styrene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1,1,2-Tetrachloroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1,2,2-Tetrachloroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1,2-Trichlorotrifluoroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
Tetrachloroethene	ND		10.0	10	09/05/2024 05:15	WG2355991
Toluene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2,3-Trichlorobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2,4-Trichlorobenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1,1-Trichloroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
1,1,2-Trichloroethane	ND		10.0	10	09/05/2024 05:15	WG2355991
Trichloroethene	62.0		10.0	10	09/05/2024 05:15	WG2355991
Trichlorofluoromethane	ND		50.0	10	09/05/2024 05:15	WG2355991
1,2,3-Trichloropropane	ND	R7	25.0	10	09/05/2024 05:15	WG2355991
1,2,4-Trimethylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,2,3-Trimethylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
1,3,5-Trimethylbenzene	ND		10.0	10	09/05/2024 05:15	WG2355991
Vinyl chloride	ND		10.0	10	09/05/2024 05:15	WG2355991
Xylenes, Total	ND		30.0	10	09/05/2024 05:15	WG2355991
(S) Toluene-d8	*99.0*		*80.0-120*		*09/05/2024 05:15*	WG2355991
(S) 4-Bromofluorobenzene	*99.5*		*77.0-126*		*09/05/2024 05:15*	WG2355991
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*09/05/2024 05:15*	WG2355991

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 15:26	WG2356042
(S) Toluene-d8	*112*		*77.0-127*		*09/05/2024 15:26*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	137000		10000	2500	09/04/2024 15:46	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		1000	20	08/31/2024 22:01	WG2354306
Acrolein	ND		1000	20	08/31/2024 22:01	WG2354306
Acrylonitrile	ND		200	20	08/31/2024 22:01	WG2354306
Benzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Bromobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Bromodichloromethane	ND		20.0	20	08/31/2024 22:01	WG2354306
Bromoform	ND		20.0	20	08/31/2024 22:01	WG2354306
Bromomethane	ND		100	20	08/31/2024 22:01	WG2354306
1,3-Butadiene	ND		40.0	20	08/31/2024 22:01	WG2354306
n-Butylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
sec-Butylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
tert-Butylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Carbon tetrachloride	ND		20.0	20	08/31/2024 22:01	WG2354306
Carbon disulfide	ND		20.0	20	08/31/2024 22:01	WG2354306
Chlorobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Chlorodibromomethane	ND		20.0	20	08/31/2024 22:01	WG2354306
Chloroethane	ND		100	20	08/31/2024 22:01	WG2354306
Chloroform	ND		100	20	08/31/2024 22:01	WG2354306
Chloromethane	ND		50.0	20	08/31/2024 22:01	WG2354306
Cyclohexane	ND		20.0	20	08/31/2024 22:01	WG2354306
2-Chlorotoluene	ND		20.0	20	08/31/2024 22:01	WG2354306
4-Chlorotoluene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2-Dibromo-3-Chloropropane	ND		100	20	08/31/2024 22:01	WG2354306
1,2-Dibromoethane	ND		20.0	20	08/31/2024 22:01	WG2354306
Dibromomethane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2-Dichlorobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,3-Dichlorobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,4-Dichlorobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Dichlorodifluoromethane	ND		100	20	08/31/2024 22:01	WG2354306
1,1-Dichloroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2-Dichloroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1-Dichloroethene	71.0		20.0	20	08/31/2024 22:01	WG2354306
cis-1,2-Dichloroethene	ND		20.0	20	08/31/2024 22:01	WG2354306
trans-1,2-Dichloroethene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2-Dichloropropane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1-Dichloropropene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,3-Dichloropropane	ND		20.0	20	08/31/2024 22:01	WG2354306
cis-1,3-Dichloropropene	ND		20.0	20	08/31/2024 22:01	WG2354306
trans-1,3-Dichloropropene	ND		20.0	20	08/31/2024 22:01	WG2354306
2,2-Dichloropropane	ND		20.0	20	08/31/2024 22:01	WG2354306
Dicyclopentadiene	ND		20.0	20	08/31/2024 22:01	WG2354306
Di-isopropyl ether	ND		20.0	20	08/31/2024 22:01	WG2354306
Ethylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
4-Ethyltoluene	ND		20.0	20	08/31/2024 22:01	WG2354306
Hexachloro-1,3-butadiene	ND		20.0	20	08/31/2024 22:01	WG2354306
n-Hexane	ND		200	20	08/31/2024 22:01	WG2354306
Isopropylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
p-Isopropyltoluene	ND		20.0	20	08/31/2024 22:01	WG2354306
2-Butanone (MEK)	ND		200	20	08/31/2024 22:01	WG2354306
Methyl Cyclohexane	ND		20.0	20	08/31/2024 22:01	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		100	20	08/31/2024 22:01	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		200	20	08/31/2024 22:01	WG2354306
Methyl tert-butyl ether	ND		20.0	20	08/31/2024 22:01	WG2354306
Naphthalene	ND		100	20	08/31/2024 22:01	WG2354306
Propene	ND		50.0	20	08/31/2024 22:01	WG2354306
n-Propylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Styrene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1,1,2-Tetrachloroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1,2,2-Tetrachloroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
Tetrachloroethene	ND		20.0	20	08/31/2024 22:01	WG2354306
Toluene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2,3-Trichlorobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2,4-Trichlorobenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1,1-Trichloroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
1,1,2-Trichloroethane	ND		20.0	20	08/31/2024 22:01	WG2354306
Trichloroethene	527		20.0	20	08/31/2024 22:01	WG2354306
Trichlorofluoromethane	ND		100	20	08/31/2024 22:01	WG2354306
1,2,3-Trichloropropane	ND		50.0	20	08/31/2024 22:01	WG2354306
1,2,4-Trimethylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,2,3-Trimethylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
1,3,5-Trimethylbenzene	ND		20.0	20	08/31/2024 22:01	WG2354306
Vinyl chloride	ND		20.0	20	08/31/2024 22:01	WG2354306
Xylenes, Total	ND		60.0	20	08/31/2024 22:01	WG2354306
(S) Toluene-d8	*110*		*80.0-120*		*08/31/2024 22:01*	WG2354306
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*08/31/2024 22:01*	WG2354306
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 22:01*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	163		3.00	1	09/05/2024 15:49	WG2356042
(S) Toluene-d8	*103*		*77.0-127*		*09/05/2024 15:49*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	23900		2000	500	09/04/2024 16:14	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 18:13	WG2354306
Acrolein	ND		50.0	1	08/31/2024 18:13	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 18:13	WG2354306
Benzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 18:13	WG2354306
Bromoform	ND		1.00	1	08/31/2024 18:13	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 18:13	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 18:13	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 18:13	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 18:13	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 18:13	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 18:13	WG2354306
Chloroform	ND		5.00	1	08/31/2024 18:13	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 18:13	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 18:13	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 18:13	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 18:13	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 18:13	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 18:13	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1-Dichloroethene	3.73		1.00	1	08/31/2024 18:13	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 18:13	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 18:13	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 18:13	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 18:13	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 18:13	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 18:13	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 18:13	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 18:13	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 18:13	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 18:13	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 18:13	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 18:13	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 18:13	WG2354306

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 18:13	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 18:13	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 18:13	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 18:13	WG2354306
Propene	ND		2.50	1	08/31/2024 18:13	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Styrene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 18:13	WG2354306
Toluene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 18:13	WG2354306
Trichloroethene	10.8		1.00	1	08/31/2024 18:13	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 18:13	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 18:13	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 18:13	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 18:13	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 18:13	WG2354306
(S) Toluene-d8	*111*		*80.0-120*		*08/31/2024 18:13*	WG2354306
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*08/31/2024 18:13*	WG2354306
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*08/31/2024 18:13*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	44.8		3.00	1	09/05/2024 16:25	WG2356042
(S) Toluene-d8	*103*		*77.0-127*		*09/05/2024 16:25*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	129000		10000	2500	09/04/2024 16:42	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		2500	50	08/31/2024 22:24	WG2354306
Acrolein	ND		2500	50	08/31/2024 22:24	WG2354306
Acrylonitrile	ND		500	50	08/31/2024 22:24	WG2354306
Benzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Bromobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Bromodichloromethane	ND		50.0	50	08/31/2024 22:24	WG2354306
Bromoform	ND		50.0	50	08/31/2024 22:24	WG2354306
Bromomethane	ND		250	50	08/31/2024 22:24	WG2354306
1,3-Butadiene	ND		100	50	08/31/2024 22:24	WG2354306
n-Butylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
sec-Butylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
tert-Butylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Carbon tetrachloride	ND		50.0	50	08/31/2024 22:24	WG2354306
Carbon disulfide	ND		50.0	50	08/31/2024 22:24	WG2354306
Chlorobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Chlorodibromomethane	ND		50.0	50	08/31/2024 22:24	WG2354306
Chloroethane	ND		250	50	08/31/2024 22:24	WG2354306
Chloroform	ND		250	50	08/31/2024 22:24	WG2354306
Chloromethane	ND		125	50	08/31/2024 22:24	WG2354306
Cyclohexane	ND		50.0	50	08/31/2024 22:24	WG2354306
2-Chlorotoluene	ND		50.0	50	08/31/2024 22:24	WG2354306
4-Chlorotoluene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2-Dibromo-3-Chloropropane	ND		250	50	08/31/2024 22:24	WG2354306
1,2-Dibromoethane	ND		50.0	50	08/31/2024 22:24	WG2354306
Dibromomethane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2-Dichlorobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,3-Dichlorobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,4-Dichlorobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Dichlorodifluoromethane	ND		250	50	08/31/2024 22:24	WG2354306
1,1-Dichloroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2-Dichloroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1-Dichloroethene	90.4		50.0	50	08/31/2024 22:24	WG2354306
cis-1,2-Dichloroethene	ND		50.0	50	08/31/2024 22:24	WG2354306
trans-1,2-Dichloroethene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2-Dichloropropane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1-Dichloropropene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,3-Dichloropropane	ND		50.0	50	08/31/2024 22:24	WG2354306
cis-1,3-Dichloropropene	ND		50.0	50	08/31/2024 22:24	WG2354306
trans-1,3-Dichloropropene	ND		50.0	50	08/31/2024 22:24	WG2354306
2,2-Dichloropropane	ND		50.0	50	08/31/2024 22:24	WG2354306
Dicyclopentadiene	ND		50.0	50	08/31/2024 22:24	WG2354306
Di-isopropyl ether	ND		50.0	50	08/31/2024 22:24	WG2354306
Ethylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
4-Ethyltoluene	ND		50.0	50	08/31/2024 22:24	WG2354306
Hexachloro-1,3-butadiene	ND		50.0	50	08/31/2024 22:24	WG2354306
n-Hexane	ND		500	50	08/31/2024 22:24	WG2354306
Isopropylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
p-Isopropyltoluene	ND		50.0	50	08/31/2024 22:24	WG2354306
2-Butanone (MEK)	ND		500	50	08/31/2024 22:24	WG2354306
Methyl Cyclohexane	ND		50.0	50	08/31/2024 22:24	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		250	50	08/31/2024 22:24	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		500	50	08/31/2024 22:24	WG2354306
Methyl tert-butyl ether	ND		50.0	50	08/31/2024 22:24	WG2354306
Naphthalene	ND		250	50	08/31/2024 22:24	WG2354306
Propene	ND		125	50	08/31/2024 22:24	WG2354306
n-Propylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Styrene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1,1,2-Tetrachloroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1,2,2-Tetrachloroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
Tetrachloroethene	ND		50.0	50	08/31/2024 22:24	WG2354306
Toluene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2,3-Trichlorobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2,4-Trichlorobenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1,1-Trichloroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
1,1,2-Trichloroethane	ND		50.0	50	08/31/2024 22:24	WG2354306
Trichloroethene	685		50.0	50	08/31/2024 22:24	WG2354306
Trichlorofluoromethane	ND		250	50	08/31/2024 22:24	WG2354306
1,2,3-Trichloropropane	ND		125	50	08/31/2024 22:24	WG2354306
1,2,4-Trimethylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,2,3-Trimethylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
1,3,5-Trimethylbenzene	ND		50.0	50	08/31/2024 22:24	WG2354306
Vinyl chloride	ND		50.0	50	08/31/2024 22:24	WG2354306
Xylenes, Total	ND		150	50	08/31/2024 22:24	WG2354306
(S) Toluene-d8	*109*		*80.0-120*		*08/31/2024 22:24*	WG2354306
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*08/31/2024 22:24*	WG2354306
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*08/31/2024 22:24*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	292		3.00	1	09/05/2024 16:47	WG2356042
(S) Toluene-d8	*102*		*77.0-127*		*09/05/2024 16:47*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	125000		10000	2500	09/04/2024 17:09	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 18:36	WG2354306
Acrolein	ND		50.0	1	08/31/2024 18:36	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 18:36	WG2354306
Benzene	1.59		1.00	1	08/31/2024 18:36	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 18:36	WG2354306
Bromoform	ND		1.00	1	08/31/2024 18:36	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 18:36	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 18:36	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 18:36	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 18:36	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 18:36	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 18:36	WG2354306
Chloroform	ND		5.00	1	08/31/2024 18:36	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 18:36	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 18:36	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 18:36	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 18:36	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 18:36	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 18:36	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 18:36	WG2354306
1,1-Dichloroethane	1.10		1.00	1	08/31/2024 18:36	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1-Dichloroethene	121		1.00	1	08/31/2024 18:36	WG2354306
cis-1,2-Dichloroethene	1.93		1.00	1	08/31/2024 18:36	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 18:36	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 18:36	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 18:36	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 18:36	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 18:36	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 18:36	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 18:36	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 18:36	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 18:36	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 18:36	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 18:36	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 18:36	WG2354306

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 18:36	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 18:36	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 18:36	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 18:36	WG2354306
Propene	ND		2.50	1	08/31/2024 18:36	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
Styrene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 18:36	WG2354306
Tetrachloroethene	1.41		1.00	1	08/31/2024 18:36	WG2354306
Toluene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 18:36	WG2354306
1,1,2-Trichloroethane	1.82		1.00	1	08/31/2024 18:36	WG2354306
Trichloroethene	704		50.0	50	09/06/2024 01:42	WG2357065
Trichlorofluoromethane	ND		5.00	1	08/31/2024 18:36	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 18:36	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 18:36	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 18:36	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 18:36	WG2354306
(S) Toluene-d8	*111*		*80.0-120*		*08/31/2024 18:36*	WG2354306
(S) Toluene-d8	*98.8*		*80.0-120*		*09/06/2024 01:42*	WG2357065
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*08/31/2024 18:36*	WG2354306
(S) 4-Bromofluorobenzene	*92.4*		*77.0-126*		*09/06/2024 01:42*	WG2357065
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 18:36*	WG2354306
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*09/06/2024 01:42*	WG2357065

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	289		3.00	1	09/05/2024 17:09	WG2356042
(S) Toluene-d8	*102*		*77.0-127*		*09/05/2024 17:09*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	33.6		4.00	1	08/31/2024 00:09	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	M2	50.0	1	08/31/2024 18:59	WG2354306
Acrolein	ND		50.0	1	08/31/2024 18:59	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 18:59	WG2354306
Benzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 18:59	WG2354306
Bromoform	ND		1.00	1	08/31/2024 18:59	WG2354306
Bromomethane	ND	M1	5.00	1	08/31/2024 18:59	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 18:59	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 18:59	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 18:59	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 18:59	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 18:59	WG2354306
Chloroform	ND		5.00	1	08/31/2024 18:59	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 18:59	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 18:59	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 18:59	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 18:59	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 18:59	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 18:59	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 18:59	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 18:59	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 18:59	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 18:59	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 18:59	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 18:59	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 18:59	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 18:59	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 18:59	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 18:59	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 18:59	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 18:59	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 18:59	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 18:59	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 18:59	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 18:59	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 18:59	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 18:59	WG2354306
Propene	ND		2.50	1	08/31/2024 18:59	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Styrene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 18:59	WG2354306
Toluene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 18:59	WG2354306
Trichloroethene	ND		1.00	1	09/05/2024 02:33	WG2355991
Trichlorofluoromethane	ND		5.00	1	08/31/2024 18:59	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 18:59	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 18:59	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 18:59	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 18:59	WG2354306
(S) Toluene-d8	*108*		*80.0-120*		*08/31/2024 18:59*	WG2354306
(S) Toluene-d8	*98.2*		*80.0-120*		*09/05/2024 02:33*	WG2355991
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*08/31/2024 18:59*	WG2354306
(S) 4-Bromofluorobenzene	*91.4*		*77.0-126*		*09/05/2024 02:33*	WG2355991
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 18:59*	WG2354306
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*09/05/2024 02:33*	WG2355991

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	16.9		3.00	1	09/05/2024 17:31	WG2356042
(S) Toluene-d8	*99.0*		*77.0-127*		*09/05/2024 17:31*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND		4.00	1	08/31/2024 02:00	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 19:22	WG2354306
Acrolein	ND		50.0	1	08/31/2024 19:22	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 19:22	WG2354306
Benzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 19:22	WG2354306
Bromoform	ND		1.00	1	08/31/2024 19:22	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 19:22	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 19:22	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 19:22	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 19:22	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 19:22	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 19:22	WG2354306
Chloroform	ND		5.00	1	08/31/2024 19:22	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 19:22	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 19:22	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 19:22	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 19:22	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 19:22	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 19:22	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 19:22	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 19:22	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 19:22	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 19:22	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 19:22	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 19:22	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 19:22	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 19:22	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 19:22	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 19:22	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 19:22	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 19:22	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 19:22	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 19:22	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 19:22	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 19:22	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 19:22	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 19:22	WG2354306
Propene	ND		2.50	1	08/31/2024 19:22	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Styrene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 19:22	WG2354306
Toluene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 19:22	WG2354306
Trichloroethene	ND		1.00	1	08/31/2024 19:22	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 19:22	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 19:22	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 19:22	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 19:22	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 19:22	WG2354306
(S) Toluene-d8	*107*		*80.0-120*		*08/31/2024 19:22*	WG2354306
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*08/31/2024 19:22*	WG2354306
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 19:22*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 18:06	WG2356042
(S) Toluene-d8	*99.7*		*77.0-127*		*09/05/2024 18:06*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	309		20.0	5	08/31/2024 12:07	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 19:45	WG2354306
Acrolein	ND		50.0	1	08/31/2024 19:45	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 19:45	WG2354306
Benzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 19:45	WG2354306
Bromoform	ND		1.00	1	08/31/2024 19:45	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 19:45	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 19:45	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 19:45	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 19:45	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 19:45	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 19:45	WG2354306
Chloroform	ND		5.00	1	08/31/2024 19:45	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 19:45	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 19:45	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 19:45	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 19:45	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 19:45	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 19:45	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 19:45	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 19:45	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 19:45	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 19:45	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 19:45	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 19:45	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 19:45	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 19:45	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 19:45	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 19:45	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 19:45	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 19:45	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 19:45	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 19:45	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 19:45	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 19:45	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 19:45	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 19:45	WG2354306
Propene	ND		2.50	1	08/31/2024 19:45	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Styrene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 19:45	WG2354306
Toluene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 19:45	WG2354306
Trichloroethene	1.31		1.00	1	08/31/2024 19:45	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 19:45	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 19:45	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 19:45	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 19:45	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 19:45	WG2354306
(S) Toluene-d8	*109*		*80.0-120*		*08/31/2024 19:45*	WG2354306
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*08/31/2024 19:45*	WG2354306
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 19:45*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 18:28	WG2356042
(S) Toluene-d8	*99.2*		*77.0-127*		*09/05/2024 18:28*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND		4.00	1	08/31/2024 03:24	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 20:07	WG2354306
Acrolein	ND		50.0	1	08/31/2024 20:07	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 20:07	WG2354306
Benzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 20:07	WG2354306
Bromoform	ND		1.00	1	08/31/2024 20:07	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 20:07	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 20:07	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 20:07	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 20:07	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 20:07	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 20:07	WG2354306
Chloroform	ND		5.00	1	08/31/2024 20:07	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 20:07	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 20:07	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 20:07	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 20:07	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 20:07	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 20:07	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 20:07	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 20:07	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 20:07	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 20:07	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 20:07	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 20:07	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 20:07	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 20:07	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 20:07	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 20:07	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 20:07	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 20:07	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 20:07	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 20:07	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 20:07	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 20:07	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 20:07	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 20:07	WG2354306
Propene	6.67		2.50	1	08/31/2024 20:07	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Styrene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 20:07	WG2354306
Toluene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 20:07	WG2354306
Trichloroethene	ND		1.00	1	08/31/2024 20:07	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 20:07	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 20:07	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 20:07	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 20:07	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 20:07	WG2354306
(S) Toluene-d8	*110*		*80.0-120*		*08/31/2024 20:07*	WG2354306
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*08/31/2024 20:07*	WG2354306
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 20:07*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 18:50	WG2356042
(S) Toluene-d8	*99.2*		*77.0-127*		*09/05/2024 18:50*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND		4.00	1	08/31/2024 04:20	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 20:30	WG2354306
Acrolein	ND		50.0	1	08/31/2024 20:30	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 20:30	WG2354306
Benzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 20:30	WG2354306
Bromoform	ND		1.00	1	08/31/2024 20:30	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 20:30	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 20:30	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 20:30	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 20:30	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 20:30	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 20:30	WG2354306
Chloroform	ND		5.00	1	08/31/2024 20:30	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 20:30	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 20:30	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 20:30	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 20:30	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 20:30	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 20:30	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 20:30	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 20:30	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 20:30	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 20:30	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 20:30	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 20:30	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 20:30	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 20:30	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 20:30	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 20:30	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 20:30	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 20:30	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 20:30	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 20:30	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 20:30	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 20:30	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 20:30	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 20:30	WG2354306
Propene	ND		2.50	1	08/31/2024 20:30	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Styrene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 20:30	WG2354306
Toluene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 20:30	WG2354306
Trichloroethene	ND		1.00	1	08/31/2024 20:30	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 20:30	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 20:30	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 20:30	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 20:30	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 20:30	WG2354306
(S) Toluene-d8	*108*		*80.0-120*		*08/31/2024 20:30*	WG2354306
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*08/31/2024 20:30*	WG2354306
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*08/31/2024 20:30*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 19:12	WG2356042
(S) Toluene-d8	*99.3*		*77.0-127*		*09/05/2024 19:12*	WG2356042

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND		4.00	1	08/31/2024 05:16	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 20:53	WG2354306
Acrolein	ND		50.0	1	08/31/2024 20:53	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 20:53	WG2354306
Benzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 20:53	WG2354306
Bromoform	ND		1.00	1	08/31/2024 20:53	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 20:53	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 20:53	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 20:53	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 20:53	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 20:53	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 20:53	WG2354306
Chloroform	ND		5.00	1	08/31/2024 20:53	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 20:53	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 20:53	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 20:53	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 20:53	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 20:53	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 20:53	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 20:53	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 20:53	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 20:53	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 20:53	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 20:53	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 20:53	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 20:53	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 20:53	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 20:53	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 20:53	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 20:53	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 20:53	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 20:53	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 20:53	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 20:53	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 20:53	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 20:53	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 20:53	WG2354306
Propene	ND		2.50	1	08/31/2024 20:53	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Styrene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 20:53	WG2354306
Toluene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 20:53	WG2354306
Trichloroethene	ND		1.00	1	08/31/2024 20:53	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 20:53	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 20:53	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 20:53	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 20:53	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 20:53	WG2354306
(S) Toluene-d8	*109*		*80.0-120*		*08/31/2024 20:53*	WG2354306
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*08/31/2024 20:53*	WG2354306
(S) 1,2-Dichloroethane-d4	*99.8*		*70.0-130*		*08/31/2024 20:53*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/05/2024 19:35	WG2356042
(S) Toluene-d8	*99.4*		*77.0-127*		*09/05/2024 19:35*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	11500		1000	250	09/04/2024 17:37	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	08/31/2024 21:16	WG2354306
Acrolein	ND		50.0	1	08/31/2024 21:16	WG2354306
Acrylonitrile	ND		10.0	1	08/31/2024 21:16	WG2354306
Benzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Bromobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Bromodichloromethane	ND		1.00	1	08/31/2024 21:16	WG2354306
Bromoform	ND		1.00	1	08/31/2024 21:16	WG2354306
Bromomethane	ND		5.00	1	08/31/2024 21:16	WG2354306
1,3-Butadiene	ND		2.00	1	08/31/2024 21:16	WG2354306
n-Butylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
sec-Butylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
tert-Butylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Carbon tetrachloride	ND		1.00	1	08/31/2024 21:16	WG2354306
Carbon disulfide	ND		1.00	1	08/31/2024 21:16	WG2354306
Chlorobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Chlorodibromomethane	ND		1.00	1	08/31/2024 21:16	WG2354306
Chloroethane	ND		5.00	1	08/31/2024 21:16	WG2354306
Chloroform	ND		5.00	1	08/31/2024 21:16	WG2354306
Chloromethane	ND		2.50	1	08/31/2024 21:16	WG2354306
Cyclohexane	ND		1.00	1	08/31/2024 21:16	WG2354306
2-Chlorotoluene	ND		1.00	1	08/31/2024 21:16	WG2354306
4-Chlorotoluene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2-Dibromo-3-Chloropropane	ND		5.00	1	08/31/2024 21:16	WG2354306
1,2-Dibromoethane	ND		1.00	1	08/31/2024 21:16	WG2354306
Dibromomethane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2-Dichlorobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,3-Dichlorobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,4-Dichlorobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Dichlorodifluoromethane	ND		5.00	1	08/31/2024 21:16	WG2354306
1,1-Dichloroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2-Dichloroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1-Dichloroethene	ND		1.00	1	08/31/2024 21:16	WG2354306
cis-1,2-Dichloroethene	ND		1.00	1	08/31/2024 21:16	WG2354306
trans-1,2-Dichloroethene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2-Dichloropropane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1-Dichloropropene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,3-Dichloropropane	ND		1.00	1	08/31/2024 21:16	WG2354306
cis-1,3-Dichloropropene	ND		1.00	1	08/31/2024 21:16	WG2354306
trans-1,3-Dichloropropene	ND		1.00	1	08/31/2024 21:16	WG2354306
2,2-Dichloropropane	ND		1.00	1	08/31/2024 21:16	WG2354306
Dicyclopentadiene	ND		1.00	1	08/31/2024 21:16	WG2354306
Di-isopropyl ether	ND		1.00	1	08/31/2024 21:16	WG2354306
Ethylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
4-Ethyltoluene	ND		1.00	1	08/31/2024 21:16	WG2354306
Hexachloro-1,3-butadiene	ND		1.00	1	08/31/2024 21:16	WG2354306
n-Hexane	ND		10.0	1	08/31/2024 21:16	WG2354306
Isopropylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
p-Isopropyltoluene	ND		1.00	1	08/31/2024 21:16	WG2354306
2-Butanone (MEK)	ND		10.0	1	08/31/2024 21:16	WG2354306
Methyl Cyclohexane	ND		1.00	1	08/31/2024 21:16	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	08/31/2024 21:16	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	08/31/2024 21:16	WG2354306
Methyl tert-butyl ether	ND		1.00	1	08/31/2024 21:16	WG2354306
Naphthalene	ND		5.00	1	08/31/2024 21:16	WG2354306
Propene	ND		2.50	1	08/31/2024 21:16	WG2354306
n-Propylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Styrene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1,1,2-Tetrachloroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1,2,2-Tetrachloroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
Tetrachloroethene	ND		1.00	1	08/31/2024 21:16	WG2354306
Toluene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2,3-Trichlorobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2,4-Trichlorobenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1,1-Trichloroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
1,1,2-Trichloroethane	ND		1.00	1	08/31/2024 21:16	WG2354306
Trichloroethene	2.01		1.00	1	08/31/2024 21:16	WG2354306
Trichlorofluoromethane	ND		5.00	1	08/31/2024 21:16	WG2354306
1,2,3-Trichloropropane	ND		2.50	1	08/31/2024 21:16	WG2354306
1,2,4-Trimethylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,2,3-Trimethylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
1,3,5-Trimethylbenzene	ND		1.00	1	08/31/2024 21:16	WG2354306
Vinyl chloride	ND		1.00	1	08/31/2024 21:16	WG2354306
Xylenes, Total	ND		3.00	1	08/31/2024 21:16	WG2354306
(S) Toluene-d8	*108*		*80.0-120*		*08/31/2024 21:16*	WG2354306
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*08/31/2024 21:16*	WG2354306
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*08/31/2024 21:16*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	7.67		3.00	1	09/05/2024 19:57	WG2356042
(S) Toluene-d8	*99.1*		*77.0-127*		*09/05/2024 19:57*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	692000		80000	20000	09/04/2024 18:05	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		125000	2500	08/31/2024 22:47	WG2354306
Acrolein	ND		125000	2500	08/31/2024 22:47	WG2354306
Acrylonitrile	ND		25000	2500	08/31/2024 22:47	WG2354306
Benzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Bromobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Bromodichloromethane	ND		2500	2500	08/31/2024 22:47	WG2354306
Bromoform	ND		2500	2500	08/31/2024 22:47	WG2354306
Bromomethane	ND		12500	2500	08/31/2024 22:47	WG2354306
1,3-Butadiene	ND		5000	2500	08/31/2024 22:47	WG2354306
n-Butylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
sec-Butylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
tert-Butylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Carbon tetrachloride	ND		2500	2500	08/31/2024 22:47	WG2354306
Carbon disulfide	ND		2500	2500	08/31/2024 22:47	WG2354306
Chlorobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Chlorodibromomethane	ND		2500	2500	08/31/2024 22:47	WG2354306
Chloroethane	ND		12500	2500	08/31/2024 22:47	WG2354306
Chloroform	ND		12500	2500	08/31/2024 22:47	WG2354306
Chloromethane	ND		6250	2500	08/31/2024 22:47	WG2354306
Cyclohexane	ND		2500	2500	08/31/2024 22:47	WG2354306
2-Chlorotoluene	ND		2500	2500	08/31/2024 22:47	WG2354306
4-Chlorotoluene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2-Dibromo-3-Chloropropane	ND		12500	2500	08/31/2024 22:47	WG2354306
1,2-Dibromoethane	ND		2500	2500	08/31/2024 22:47	WG2354306
Dibromomethane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2-Dichlorobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,3-Dichlorobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,4-Dichlorobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Dichlorodifluoromethane	ND		12500	2500	08/31/2024 22:47	WG2354306
1,1-Dichloroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2-Dichloroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1-Dichloroethene	ND		2500	2500	08/31/2024 22:47	WG2354306
cis-1,2-Dichloroethene	ND		2500	2500	08/31/2024 22:47	WG2354306
trans-1,2-Dichloroethene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2-Dichloropropane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1-Dichloropropene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,3-Dichloropropane	ND		2500	2500	08/31/2024 22:47	WG2354306
cis-1,3-Dichloropropene	ND		2500	2500	08/31/2024 22:47	WG2354306
trans-1,3-Dichloropropene	ND		2500	2500	08/31/2024 22:47	WG2354306
2,2-Dichloropropane	ND		2500	2500	08/31/2024 22:47	WG2354306
Dicyclopentadiene	ND		2500	2500	08/31/2024 22:47	WG2354306
Di-isopropyl ether	ND		2500	2500	08/31/2024 22:47	WG2354306
Ethylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
4-Ethyltoluene	ND		2500	2500	08/31/2024 22:47	WG2354306
Hexachloro-1,3-butadiene	ND		2500	2500	08/31/2024 22:47	WG2354306
n-Hexane	ND		25000	2500	08/31/2024 22:47	WG2354306
Isopropylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
p-Isopropyltoluene	ND		2500	2500	08/31/2024 22:47	WG2354306
2-Butanone (MEK)	ND		25000	2500	08/31/2024 22:47	WG2354306
Methyl Cyclohexane	ND		2500	2500	08/31/2024 22:47	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	19200		12500	2500	08/31/2024 22:47	WG2354306
4-Methyl-2-pentanone (MIBK)	ND		25000	2500	08/31/2024 22:47	WG2354306
Methyl tert-butyl ether	ND		2500	2500	08/31/2024 22:47	WG2354306
Naphthalene	ND		12500	2500	08/31/2024 22:47	WG2354306
Propene	ND		6250	2500	08/31/2024 22:47	WG2354306
n-Propylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Styrene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1,1,2-Tetrachloroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1,2,2-Tetrachloroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1,2-Trichlorotrifluoroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
Tetrachloroethene	ND		2500	2500	08/31/2024 22:47	WG2354306
Toluene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2,3-Trichlorobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2,4-Trichlorobenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1,1-Trichloroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
1,1,2-Trichloroethane	ND		2500	2500	08/31/2024 22:47	WG2354306
Trichloroethene	33200		2500	2500	08/31/2024 22:47	WG2354306
Trichlorofluoromethane	ND		12500	2500	08/31/2024 22:47	WG2354306
1,2,3-Trichloropropane	ND		6250	2500	08/31/2024 22:47	WG2354306
1,2,4-Trimethylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,2,3-Trimethylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
1,3,5-Trimethylbenzene	ND		2500	2500	08/31/2024 22:47	WG2354306
Vinyl chloride	ND		2500	2500	08/31/2024 22:47	WG2354306
Xylenes, Total	ND		7500	2500	08/31/2024 22:47	WG2354306
(S) Toluene-d8	*107*		*80.0-120*		*08/31/2024 22:47*	WG2354306
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*08/31/2024 22:47*	WG2354306
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*08/31/2024 22:47*	WG2354306

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	2640		150	50	09/09/2024 21:14	WG2358907
(S) Toluene-d8	*103*		*77.0-127*		*09/09/2024 21:14*	WG2358907

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	86100		10000	2500	09/04/2024 18:33	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		500	10	09/01/2024 19:01	WG2354592
Acrolein	ND		500	10	09/01/2024 19:01	WG2354592
Acrylonitrile	ND		100	10	09/01/2024 19:01	WG2354592
Benzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Bromobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Bromodichloromethane	ND		10.0	10	09/01/2024 19:01	WG2354592
Bromoform	ND		10.0	10	09/01/2024 19:01	WG2354592
Bromomethane	ND	R7	50.0	10	09/01/2024 19:01	WG2354592
1,3-Butadiene	ND		20.0	10	09/01/2024 19:01	WG2354592
n-Butylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
sec-Butylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
tert-Butylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Carbon tetrachloride	ND		10.0	10	09/01/2024 19:01	WG2354592
Carbon disulfide	ND		10.0	10	09/01/2024 19:01	WG2354592
Chlorobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Chlorodibromomethane	ND		10.0	10	09/01/2024 19:01	WG2354592
Chloroethane	ND		50.0	10	09/01/2024 19:01	WG2354592
Chloroform	ND		50.0	10	09/01/2024 19:01	WG2354592
Chloromethane	ND	R7	25.0	10	09/01/2024 19:01	WG2354592
Cyclohexane	ND		10.0	10	09/01/2024 19:01	WG2354592
2-Chlorotoluene	ND		10.0	10	09/01/2024 19:01	WG2354592
4-Chlorotoluene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2-Dibromo-3-Chloropropane	ND		50.0	10	09/01/2024 19:01	WG2354592
1,2-Dibromoethane	ND		10.0	10	09/01/2024 19:01	WG2354592
Dibromomethane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2-Dichlorobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,3-Dichlorobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,4-Dichlorobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Dichlorodifluoromethane	ND		50.0	10	09/01/2024 19:01	WG2354592
1,1-Dichloroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2-Dichloroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1-Dichloroethene	97.6		10.0	10	09/01/2024 19:01	WG2354592
cis-1,2-Dichloroethene	ND		10.0	10	09/01/2024 19:01	WG2354592
trans-1,2-Dichloroethene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2-Dichloropropane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1-Dichloropropene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,3-Dichloropropane	ND		10.0	10	09/01/2024 19:01	WG2354592
cis-1,3-Dichloropropene	ND		10.0	10	09/01/2024 19:01	WG2354592
trans-1,3-Dichloropropene	ND		10.0	10	09/01/2024 19:01	WG2354592
2,2-Dichloropropane	ND		10.0	10	09/01/2024 19:01	WG2354592
Dicyclopentadiene	ND		10.0	10	09/01/2024 19:01	WG2354592
Di-isopropyl ether	ND		10.0	10	09/01/2024 19:01	WG2354592
Ethylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
4-Ethyltoluene	ND		10.0	10	09/01/2024 19:01	WG2354592
Hexachloro-1,3-butadiene	ND		10.0	10	09/01/2024 19:01	WG2354592
n-Hexane	ND		100	10	09/01/2024 19:01	WG2354592
Isopropylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
p-Isopropyltoluene	ND		10.0	10	09/01/2024 19:01	WG2354592
2-Butanone (MEK)	ND		100	10	09/01/2024 19:01	WG2354592
Methyl Cyclohexane	ND		10.0	10	09/01/2024 19:01	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND	L2 R7	50.0	10	09/01/2024 19:01	WG2354592
4-Methyl-2-pentanone (MIBK)	ND		100	10	09/01/2024 19:01	WG2354592
Methyl tert-butyl ether	ND		10.0	10	09/01/2024 19:01	WG2354592
Naphthalene	ND		50.0	10	09/01/2024 19:01	WG2354592
Propene	ND	R7	25.0	10	09/01/2024 19:01	WG2354592
n-Propylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Styrene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1,1,2-Tetrachloroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1,2,2-Tetrachloroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1,2-Trichlorotrifluoroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
Tetrachloroethene	ND		10.0	10	09/01/2024 19:01	WG2354592
Toluene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2,3-Trichlorobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2,4-Trichlorobenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1,1-Trichloroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
1,1,2-Trichloroethane	ND		10.0	10	09/01/2024 19:01	WG2354592
Trichloroethene	259		10.0	10	09/06/2024 00:21	WG2356876
Trichlorofluoromethane	ND		50.0	10	09/01/2024 19:01	WG2354592
1,2,3-Trichloropropane	ND		25.0	10	09/01/2024 19:01	WG2354592
1,2,4-Trimethylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,2,3-Trimethylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
1,3,5-Trimethylbenzene	ND		10.0	10	09/01/2024 19:01	WG2354592
Vinyl chloride	ND		10.0	10	09/01/2024 19:01	WG2354592
Xylenes, Total	ND		30.0	10	09/01/2024 19:01	WG2354592
(S) Toluene-d8	*106*		*80.0-120*		*09/01/2024 19:01*	WG2354592
(S) Toluene-d8	*98.4*		*80.0-120*		*09/06/2024 00:21*	WG2356876
(S) 4-Bromofluorobenzene	*97.6*		*77.0-126*		*09/01/2024 19:01*	WG2354592
(S) 4-Bromofluorobenzene	*93.4*		*77.0-126*		*09/06/2024 00:21*	WG2356876
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*09/01/2024 19:01*	WG2354592
(S) 1,2-Dichloroethane-d4	*121*		*70.0-130*		*09/06/2024 00:21*	WG2356876

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	556		3.00	1	09/05/2024 20:41	WG2356042
(S) Toluene-d8	*102*		*77.0-127*		*09/05/2024 20:41*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	91000		10000	2500	09/04/2024 19:01	WG2353444

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		1000	20	09/06/2024 00:41	WG2356876
Acrolein	ND		1000	20	09/06/2024 00:41	WG2356876
Acrylonitrile	ND		200	20	09/06/2024 00:41	WG2356876
Benzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Bromobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Bromodichloromethane	ND		20.0	20	09/06/2024 00:41	WG2356876
Bromoform	ND		20.0	20	09/06/2024 00:41	WG2356876
Bromomethane	ND		100	20	09/06/2024 00:41	WG2356876
1,3-Butadiene	ND		40.0	20	09/06/2024 00:41	WG2356876
n-Butylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
sec-Butylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
tert-Butylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Carbon tetrachloride	ND		20.0	20	09/06/2024 00:41	WG2356876
Carbon disulfide	ND		20.0	20	09/06/2024 00:41	WG2356876
Chlorobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Chlorodibromomethane	ND		20.0	20	09/06/2024 00:41	WG2356876
Chloroethane	ND		100	20	09/06/2024 00:41	WG2356876
Chloroform	ND		100	20	09/06/2024 00:41	WG2356876
Chloromethane	ND		50.0	20	09/06/2024 00:41	WG2356876
Cyclohexane	ND		20.0	20	09/06/2024 00:41	WG2356876
2-Chlorotoluene	ND		20.0	20	09/06/2024 00:41	WG2356876
4-Chlorotoluene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2-Dibromo-3-Chloropropane	ND		100	20	09/06/2024 00:41	WG2356876
1,2-Dibromoethane	ND		20.0	20	09/06/2024 00:41	WG2356876
Dibromomethane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2-Dichlorobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,3-Dichlorobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,4-Dichlorobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Dichlorodifluoromethane	ND		100	20	09/06/2024 00:41	WG2356876
1,1-Dichloroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2-Dichloroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1-Dichloroethene	98.2		20.0	20	09/06/2024 00:41	WG2356876
cis-1,2-Dichloroethene	ND		20.0	20	09/06/2024 00:41	WG2356876
trans-1,2-Dichloroethene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2-Dichloropropane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1-Dichloropropene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,3-Dichloropropane	ND		20.0	20	09/06/2024 00:41	WG2356876
cis-1,3-Dichloropropene	ND		20.0	20	09/06/2024 00:41	WG2356876
trans-1,3-Dichloropropene	ND		20.0	20	09/06/2024 00:41	WG2356876
2,2-Dichloropropane	ND		20.0	20	09/06/2024 00:41	WG2356876
Dicyclopentadiene	ND		20.0	20	09/06/2024 00:41	WG2356876
Di-isopropyl ether	ND		20.0	20	09/06/2024 00:41	WG2356876
Ethylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
4-Ethyltoluene	ND		20.0	20	09/06/2024 00:41	WG2356876
Hexachloro-1,3-butadiene	ND		20.0	20	09/06/2024 00:41	WG2356876
n-Hexane	ND		200	20	09/06/2024 00:41	WG2356876
Isopropylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
p-Isopropyltoluene	ND		20.0	20	09/06/2024 00:41	WG2356876
2-Butanone (MEK)	ND		200	20	09/06/2024 00:41	WG2356876
Methyl Cyclohexane	ND		20.0	20	09/06/2024 00:41	WG2356876

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		100	20	09/06/2024 00:41	WG2356876
4-Methyl-2-pentanone (MIBK)	ND		200	20	09/06/2024 00:41	WG2356876
Methyl tert-butyl ether	ND		20.0	20	09/06/2024 00:41	WG2356876
Naphthalene	ND		100	20	09/06/2024 00:41	WG2356876
Propene	ND		50.0	20	09/06/2024 00:41	WG2356876
n-Propylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Styrene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1,1,2-Tetrachloroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1,2,2-Tetrachloroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1,2-Trichlorotrifluoroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
Tetrachloroethene	ND		20.0	20	09/06/2024 00:41	WG2356876
Toluene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2,3-Trichlorobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2,4-Trichlorobenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1,1-Trichloroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
1,1,2-Trichloroethane	ND		20.0	20	09/06/2024 00:41	WG2356876
Trichloroethene	465		20.0	20	09/06/2024 00:41	WG2356876
Trichlorofluoromethane	ND		100	20	09/06/2024 00:41	WG2356876
1,2,3-Trichloropropane	ND		50.0	20	09/06/2024 00:41	WG2356876
1,2,4-Trimethylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,2,3-Trimethylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
1,3,5-Trimethylbenzene	ND		20.0	20	09/06/2024 00:41	WG2356876
Vinyl chloride	ND		20.0	20	09/06/2024 00:41	WG2356876
Xylenes, Total	ND		60.0	20	09/06/2024 00:41	WG2356876
(S) Toluene-d8	*96.0*		*80.0-120*		*09/06/2024 00:41*	WG2356876
(S) 4-Bromofluorobenzene	*89.6*		*77.0-126*		*09/06/2024 00:41*	WG2356876
(S) 1,2-Dichloroethane-d4	*122*		*70.0-130*		*09/06/2024 00:41*	WG2356876

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	250		3.00	1	09/05/2024 21:33	WG2356042
(S) Toluene-d8	*102*		*77.0-127*		*09/05/2024 21:33*	WG2356042

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	513000		40000	10000	09/07/2024 15:48	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		12500	250	09/01/2024 19:40	WG2354592
Acrolein	ND		12500	250	09/01/2024 19:40	WG2354592
Acrylonitrile	ND		2500	250	09/01/2024 19:40	WG2354592
Benzene	ND		250	250	09/01/2024 19:40	WG2354592
Bromobenzene	ND		250	250	09/01/2024 19:40	WG2354592
Bromodichloromethane	ND		250	250	09/01/2024 19:40	WG2354592
Bromoform	ND		250	250	09/01/2024 19:40	WG2354592
Bromomethane	ND	R7	1250	250	09/01/2024 19:40	WG2354592
1,3-Butadiene	ND		500	250	09/01/2024 19:40	WG2354592
n-Butylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
sec-Butylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
tert-Butylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
Carbon tetrachloride	ND		250	250	09/01/2024 19:40	WG2354592
Carbon disulfide	ND		250	250	09/01/2024 19:40	WG2354592
Chlorobenzene	ND		250	250	09/01/2024 19:40	WG2354592
Chlorodibromomethane	ND		250	250	09/01/2024 19:40	WG2354592
Chloroethane	ND		1250	250	09/01/2024 19:40	WG2354592
Chloroform	ND		1250	250	09/01/2024 19:40	WG2354592
Chloromethane	ND	R7	625	250	09/01/2024 19:40	WG2354592
Cyclohexane	ND		250	250	09/01/2024 19:40	WG2354592
2-Chlorotoluene	ND		250	250	09/01/2024 19:40	WG2354592
4-Chlorotoluene	ND		250	250	09/01/2024 19:40	WG2354592
1,2-Dibromo-3-Chloropropane	ND		1250	250	09/01/2024 19:40	WG2354592
1,2-Dibromoethane	ND		250	250	09/01/2024 19:40	WG2354592
Dibromomethane	ND		250	250	09/01/2024 19:40	WG2354592
1,2-Dichlorobenzene	ND		250	250	09/01/2024 19:40	WG2354592
1,3-Dichlorobenzene	ND		250	250	09/01/2024 19:40	WG2354592
1,4-Dichlorobenzene	ND		250	250	09/01/2024 19:40	WG2354592
Dichlorodifluoromethane	ND		1250	250	09/01/2024 19:40	WG2354592
1,1-Dichloroethane	ND		250	250	09/01/2024 19:40	WG2354592
1,2-Dichloroethane	ND		250	250	09/01/2024 19:40	WG2354592
1,1-Dichloroethene	905		250	250	09/01/2024 19:40	WG2354592
cis-1,2-Dichloroethene	ND		250	250	09/01/2024 19:40	WG2354592
trans-1,2-Dichloroethene	ND		250	250	09/01/2024 19:40	WG2354592
1,2-Dichloropropane	ND		250	250	09/01/2024 19:40	WG2354592
1,1-Dichloropropene	ND		250	250	09/01/2024 19:40	WG2354592
1,3-Dichloropropane	ND		250	250	09/01/2024 19:40	WG2354592
cis-1,3-Dichloropropene	ND		250	250	09/01/2024 19:40	WG2354592
trans-1,3-Dichloropropene	ND		250	250	09/01/2024 19:40	WG2354592
2,2-Dichloropropane	ND		250	250	09/01/2024 19:40	WG2354592
Dicyclopentadiene	ND		250	250	09/01/2024 19:40	WG2354592
Di-isopropyl ether	ND		250	250	09/01/2024 19:40	WG2354592
Ethylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
4-Ethyltoluene	ND		250	250	09/01/2024 19:40	WG2354592
Hexachloro-1,3-butadiene	ND		250	250	09/01/2024 19:40	WG2354592
n-Hexane	ND		2500	250	09/01/2024 19:40	WG2354592
Isopropylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
p-Isopropyltoluene	ND		250	250	09/01/2024 19:40	WG2354592
2-Butanone (MEK)	ND		2500	250	09/01/2024 19:40	WG2354592
Methyl Cyclohexane	ND		250	250	09/01/2024 19:40	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND	L2 R7	1250	250	09/01/2024 19:40	WG2354592
4-Methyl-2-pentanone (MIBK)	ND		2500	250	09/01/2024 19:40	WG2354592
Methyl tert-butyl ether	ND		250	250	09/01/2024 19:40	WG2354592
Naphthalene	ND		1250	250	09/01/2024 19:40	WG2354592
Propene	ND	R7	625	250	09/01/2024 19:40	WG2354592
n-Propylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
Styrene	ND		250	250	09/01/2024 19:40	WG2354592
1,1,1,2-Tetrachloroethane	ND		250	250	09/01/2024 19:40	WG2354592
1,1,2,2-Tetrachloroethane	ND		250	250	09/01/2024 19:40	WG2354592
1,1,2-Trichlorotrifluoroethane	ND		250	250	09/01/2024 19:40	WG2354592
Tetrachloroethene	ND		250	250	09/01/2024 19:40	WG2354592
Toluene	ND		250	250	09/01/2024 19:40	WG2354592
1,2,3-Trichlorobenzene	ND		250	250	09/01/2024 19:40	WG2354592
1,2,4-Trichlorobenzene	ND		250	250	09/01/2024 19:40	WG2354592
1,1,1-Trichloroethane	ND		250	250	09/01/2024 19:40	WG2354592
1,1,2-Trichloroethane	ND		250	250	09/01/2024 19:40	WG2354592
Trichloroethene	8500		250	250	09/01/2024 19:40	WG2354592
Trichlorofluoromethane	ND		1250	250	09/01/2024 19:40	WG2354592
1,2,3-Trichloropropane	ND		625	250	09/01/2024 19:40	WG2354592
1,2,4-Trimethylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
1,2,3-Trimethylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
1,3,5-Trimethylbenzene	ND		250	250	09/01/2024 19:40	WG2354592
Vinyl chloride	ND		250	250	09/01/2024 19:40	WG2354592
Xylenes, Total	ND		750	250	09/01/2024 19:40	WG2354592
(S) Toluene-d8	*105*		*80.0-120*		*09/01/2024 19:40*	WG2354592
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*09/01/2024 19:40*	WG2354592
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*09/01/2024 19:40*	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	813		3.00	1	09/07/2024 17:06	WG2357855
(S) Toluene-d8	*101*		*77.0-127*		*09/07/2024 17:06*	WG2357855

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	526000		40000	10000	09/07/2024 16:15	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		12500	250	09/01/2024 19:59	WG2354592
Acrolein	ND		12500	250	09/01/2024 19:59	WG2354592
Acrylonitrile	ND		2500	250	09/01/2024 19:59	WG2354592
Benzene	ND		250	250	09/01/2024 19:59	WG2354592
Bromobenzene	ND		250	250	09/01/2024 19:59	WG2354592
Bromodichloromethane	ND		250	250	09/01/2024 19:59	WG2354592
Bromoform	ND		250	250	09/01/2024 19:59	WG2354592
Bromomethane	ND	R7	1250	250	09/01/2024 19:59	WG2354592
1,3-Butadiene	ND		500	250	09/01/2024 19:59	WG2354592
n-Butylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
sec-Butylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
tert-Butylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
Carbon tetrachloride	ND		250	250	09/01/2024 19:59	WG2354592
Carbon disulfide	ND		250	250	09/01/2024 19:59	WG2354592
Chlorobenzene	ND		250	250	09/01/2024 19:59	WG2354592
Chlorodibromomethane	ND		250	250	09/01/2024 19:59	WG2354592
Chloroethane	ND		1250	250	09/01/2024 19:59	WG2354592
Chloroform	ND		1250	250	09/01/2024 19:59	WG2354592
Chloromethane	ND	R7	625	250	09/01/2024 19:59	WG2354592
Cyclohexane	ND		250	250	09/01/2024 19:59	WG2354592
2-Chlorotoluene	ND		250	250	09/01/2024 19:59	WG2354592
4-Chlorotoluene	ND		250	250	09/01/2024 19:59	WG2354592
1,2-Dibromo-3-Chloropropane	ND		1250	250	09/01/2024 19:59	WG2354592
1,2-Dibromoethane	ND		250	250	09/01/2024 19:59	WG2354592
Dibromomethane	ND		250	250	09/01/2024 19:59	WG2354592
1,2-Dichlorobenzene	ND		250	250	09/01/2024 19:59	WG2354592
1,3-Dichlorobenzene	ND		250	250	09/01/2024 19:59	WG2354592
1,4-Dichlorobenzene	ND		250	250	09/01/2024 19:59	WG2354592
Dichlorodifluoromethane	ND		1250	250	09/01/2024 19:59	WG2354592
1,1-Dichloroethane	ND		250	250	09/01/2024 19:59	WG2354592
1,2-Dichloroethane	ND		250	250	09/01/2024 19:59	WG2354592
1,1-Dichloroethene	885		250	250	09/01/2024 19:59	WG2354592
cis-1,2-Dichloroethene	ND		250	250	09/01/2024 19:59	WG2354592
trans-1,2-Dichloroethene	ND		250	250	09/01/2024 19:59	WG2354592
1,2-Dichloropropane	ND		250	250	09/01/2024 19:59	WG2354592
1,1-Dichloropropene	ND		250	250	09/01/2024 19:59	WG2354592
1,3-Dichloropropane	ND		250	250	09/01/2024 19:59	WG2354592
cis-1,3-Dichloropropene	ND		250	250	09/01/2024 19:59	WG2354592
trans-1,3-Dichloropropene	ND		250	250	09/01/2024 19:59	WG2354592
2,2-Dichloropropane	ND		250	250	09/01/2024 19:59	WG2354592
Dicyclopentadiene	ND		250	250	09/01/2024 19:59	WG2354592
Di-isopropyl ether	ND		250	250	09/01/2024 19:59	WG2354592
Ethylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
4-Ethyltoluene	ND		250	250	09/01/2024 19:59	WG2354592
Hexachloro-1,3-butadiene	ND		250	250	09/01/2024 19:59	WG2354592
n-Hexane	ND		2500	250	09/01/2024 19:59	WG2354592
Isopropylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
p-Isopropyltoluene	ND		250	250	09/01/2024 19:59	WG2354592
2-Butanone (MEK)	ND		2500	250	09/01/2024 19:59	WG2354592
Methyl Cyclohexane	ND		250	250	09/01/2024 19:59	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND	L2 R7	1250	250	09/01/2024 19:59	WG2354592
4-Methyl-2-pentanone (MIBK)	ND		2500	250	09/01/2024 19:59	WG2354592
Methyl tert-butyl ether	ND		250	250	09/01/2024 19:59	WG2354592
Naphthalene	ND		1250	250	09/01/2024 19:59	WG2354592
Propene	ND	R7	625	250	09/01/2024 19:59	WG2354592
n-Propylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
Styrene	ND		250	250	09/01/2024 19:59	WG2354592
1,1,1,2-Tetrachloroethane	ND		250	250	09/01/2024 19:59	WG2354592
1,1,2,2-Tetrachloroethane	ND		250	250	09/01/2024 19:59	WG2354592
1,1,2-Trichlorotrifluoroethane	ND		250	250	09/01/2024 19:59	WG2354592
Tetrachloroethene	ND		250	250	09/01/2024 19:59	WG2354592
Toluene	ND		250	250	09/01/2024 19:59	WG2354592
1,2,3-Trichlorobenzene	ND		250	250	09/01/2024 19:59	WG2354592
1,2,4-Trichlorobenzene	ND		250	250	09/01/2024 19:59	WG2354592
1,1,1-Trichloroethane	ND		250	250	09/01/2024 19:59	WG2354592
1,1,2-Trichloroethane	ND		250	250	09/01/2024 19:59	WG2354592
Trichloroethene	8530		250	250	09/01/2024 19:59	WG2354592
Trichlorofluoromethane	ND		1250	250	09/01/2024 19:59	WG2354592
1,2,3-Trichloropropane	ND		625	250	09/01/2024 19:59	WG2354592
1,2,4-Trimethylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
1,2,3-Trimethylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
1,3,5-Trimethylbenzene	ND		250	250	09/01/2024 19:59	WG2354592
Vinyl chloride	ND		250	250	09/01/2024 19:59	WG2354592
Xylenes, Total	ND		750	250	09/01/2024 19:59	WG2354592
(S) Toluene-d8	*108*		*80.0-120*		*09/01/2024 19:59*	WG2354592
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*09/01/2024 19:59*	WG2354592
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*09/01/2024 19:59*	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	624		3.00	1	09/06/2024 23:02	WG2356686
(S) Toluene-d8	*101*		*77.0-127*		*09/06/2024 23:02*	WG2356686

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	5.62		4.00	1	09/07/2024 16:43	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/01/2024 18:23	WG2354592
Acrolein	ND		50.0	1	09/01/2024 18:23	WG2354592
Acrylonitrile	ND		10.0	1	09/01/2024 18:23	WG2354592
Benzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Bromobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Bromodichloromethane	ND		1.00	1	09/01/2024 18:23	WG2354592
Bromoform	ND		1.00	1	09/01/2024 18:23	WG2354592
Bromomethane	ND	R7	5.00	1	09/01/2024 18:23	WG2354592
1,3-Butadiene	ND		2.00	1	09/01/2024 18:23	WG2354592
n-Butylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
sec-Butylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
tert-Butylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Carbon tetrachloride	ND		1.00	1	09/01/2024 18:23	WG2354592
Carbon disulfide	ND		1.00	1	09/01/2024 18:23	WG2354592
Chlorobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Chlorodibromomethane	ND		1.00	1	09/01/2024 18:23	WG2354592
Chloroethane	ND		5.00	1	09/01/2024 18:23	WG2354592
Chloroform	ND		5.00	1	09/01/2024 18:23	WG2354592
Chloromethane	ND	R7	2.50	1	09/01/2024 18:23	WG2354592
Cyclohexane	ND		1.00	1	09/01/2024 18:23	WG2354592
2-Chlorotoluene	ND		1.00	1	09/01/2024 18:23	WG2354592
4-Chlorotoluene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/01/2024 18:23	WG2354592
1,2-Dibromoethane	ND		1.00	1	09/01/2024 18:23	WG2354592
Dibromomethane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2-Dichlorobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,3-Dichlorobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,4-Dichlorobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Dichlorodifluoromethane	ND		5.00	1	09/01/2024 18:23	WG2354592
1,1-Dichloroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2-Dichloroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1-Dichloroethene	ND		1.00	1	09/01/2024 18:23	WG2354592
cis-1,2-Dichloroethene	ND		1.00	1	09/01/2024 18:23	WG2354592
trans-1,2-Dichloroethene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2-Dichloropropane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1-Dichloropropene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,3-Dichloropropane	ND		1.00	1	09/01/2024 18:23	WG2354592
cis-1,3-Dichloropropene	ND		1.00	1	09/01/2024 18:23	WG2354592
trans-1,3-Dichloropropene	ND		1.00	1	09/01/2024 18:23	WG2354592
2,2-Dichloropropane	ND		1.00	1	09/01/2024 18:23	WG2354592
Dicyclopentadiene	ND		1.00	1	09/01/2024 18:23	WG2354592
Di-isopropyl ether	ND		1.00	1	09/01/2024 18:23	WG2354592
Ethylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
4-Ethyltoluene	ND		1.00	1	09/01/2024 18:23	WG2354592
Hexachloro-1,3-butadiene	ND		1.00	1	09/01/2024 18:23	WG2354592
n-Hexane	ND		10.0	1	09/01/2024 18:23	WG2354592
Isopropylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
p-Isopropyltoluene	ND		1.00	1	09/01/2024 18:23	WG2354592
2-Butanone (MEK)	ND		10.0	1	09/01/2024 18:23	WG2354592
Methyl Cyclohexane	ND		1.00	1	09/01/2024 18:23	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND	L2 R7	5.00	1	09/01/2024 18:23	WG2354592
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/01/2024 18:23	WG2354592
Methyl tert-butyl ether	ND		1.00	1	09/01/2024 18:23	WG2354592
Naphthalene	ND		5.00	1	09/01/2024 18:23	WG2354592
Propene	ND	R7	2.50	1	09/01/2024 18:23	WG2354592
n-Propylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Styrene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
Tetrachloroethene	ND		1.00	1	09/01/2024 18:23	WG2354592
Toluene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2,3-Trichlorobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2,4-Trichlorobenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1,1-Trichloroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
1,1,2-Trichloroethane	ND		1.00	1	09/01/2024 18:23	WG2354592
Trichloroethene	ND		1.00	1	09/01/2024 18:23	WG2354592
Trichlorofluoromethane	ND		5.00	1	09/01/2024 18:23	WG2354592
1,2,3-Trichloropropane	ND		2.50	1	09/01/2024 18:23	WG2354592
1,2,4-Trimethylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,2,3-Trimethylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
1,3,5-Trimethylbenzene	ND		1.00	1	09/01/2024 18:23	WG2354592
Vinyl chloride	ND		1.00	1	09/01/2024 18:23	WG2354592
Xylenes, Total	ND		3.00	1	09/01/2024 18:23	WG2354592
(S) Toluene-d8	*106*		*80.0-120*		*09/01/2024 18:23*	WG2354592
(S) 4-Bromofluorobenzene	*97.4*		*77.0-126*		*09/01/2024 18:23*	WG2354592
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*09/01/2024 18:23*	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	31.5		3.00	1	09/06/2024 23:29	WG2356686
(S) Toluene-d8	*102*		*77.0-127*		*09/06/2024 23:29*	WG2356686

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	13.3		4.00	1	09/07/2024 17:11	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		250	5	09/06/2024 01:01	WG2356876
Acrolein	ND		250	5	09/06/2024 01:01	WG2356876
Acrylonitrile	ND		50.0	5	09/06/2024 01:01	WG2356876
Benzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Bromobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Bromodichloromethane	ND		5.00	5	09/06/2024 01:01	WG2356876
Bromoform	ND		5.00	5	09/06/2024 01:01	WG2356876
Bromomethane	ND		25.0	5	09/06/2024 01:01	WG2356876
1,3-Butadiene	ND		10.0	5	09/06/2024 01:01	WG2356876
n-Butylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
sec-Butylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
tert-Butylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Carbon tetrachloride	ND		5.00	5	09/06/2024 01:01	WG2356876
Carbon disulfide	ND		5.00	5	09/06/2024 01:01	WG2356876
Chlorobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Chlorodibromomethane	ND		5.00	5	09/06/2024 01:01	WG2356876
Chloroethane	ND		25.0	5	09/06/2024 01:01	WG2356876
Chloroform	ND		25.0	5	09/06/2024 01:01	WG2356876
Chloromethane	ND		12.5	5	09/06/2024 01:01	WG2356876
Cyclohexane	ND		5.00	5	09/06/2024 01:01	WG2356876
2-Chlorotoluene	ND		5.00	5	09/06/2024 01:01	WG2356876
4-Chlorotoluene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,2-Dibromo-3-Chloropropane	ND		25.0	5	09/06/2024 01:01	WG2356876
1,2-Dibromoethane	ND		5.00	5	09/06/2024 01:01	WG2356876
Dibromomethane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,2-Dichlorobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,3-Dichlorobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,4-Dichlorobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Dichlorodifluoromethane	ND		25.0	5	09/06/2024 01:01	WG2356876
1,1-Dichloroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,2-Dichloroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1-Dichloroethene	19.2		5.00	5	09/06/2024 01:01	WG2356876
cis-1,2-Dichloroethene	158		5.00	5	09/06/2024 01:01	WG2356876
trans-1,2-Dichloroethene	5.82		5.00	5	09/06/2024 01:01	WG2356876
1,2-Dichloropropane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1-Dichloropropene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,3-Dichloropropane	ND		5.00	5	09/06/2024 01:01	WG2356876
cis-1,3-Dichloropropene	ND		5.00	5	09/06/2024 01:01	WG2356876
trans-1,3-Dichloropropene	ND		5.00	5	09/06/2024 01:01	WG2356876
2,2-Dichloropropane	ND		5.00	5	09/06/2024 01:01	WG2356876
Dicyclopentadiene	ND		5.00	5	09/06/2024 01:01	WG2356876
Di-isopropyl ether	ND		5.00	5	09/06/2024 01:01	WG2356876
Ethylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
4-Ethyltoluene	ND		5.00	5	09/06/2024 01:01	WG2356876
Hexachloro-1,3-butadiene	ND		5.00	5	09/06/2024 01:01	WG2356876
n-Hexane	ND		50.0	5	09/06/2024 01:01	WG2356876
Isopropylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
p-Isopropyltoluene	ND		5.00	5	09/06/2024 01:01	WG2356876
2-Butanone (MEK)	ND		50.0	5	09/06/2024 01:01	WG2356876
Methyl Cyclohexane	ND		5.00	5	09/06/2024 01:01	WG2356876

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Methylene Chloride	ND		25.0	5	09/06/2024 01:01	WG2356876
4-Methyl-2-pentanone (MIBK)	ND		50.0	5	09/06/2024 01:01	WG2356876
Methyl tert-butyl ether	ND		5.00	5	09/06/2024 01:01	WG2356876
Naphthalene	ND		25.0	5	09/06/2024 01:01	WG2356876
Propene	ND		12.5	5	09/06/2024 01:01	WG2356876
n-Propylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Styrene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1,1,2-Tetrachloroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1,2,2-Tetrachloroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1,2-Trichlorotrifluoroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
Tetrachloroethene	ND		5.00	5	09/06/2024 01:01	WG2356876
Toluene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,2,3-Trichlorobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,2,4-Trichlorobenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1,1-Trichloroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
1,1,2-Trichloroethane	ND		5.00	5	09/06/2024 01:01	WG2356876
Trichloroethene	165		5.00	5	09/06/2024 01:01	WG2356876
Trichlorofluoromethane	ND		25.0	5	09/06/2024 01:01	WG2356876
1,2,3-Trichloropropane	ND		12.5	5	09/06/2024 01:01	WG2356876
1,2,4-Trimethylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,2,3-Trimethylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
1,3,5-Trimethylbenzene	ND		5.00	5	09/06/2024 01:01	WG2356876
Vinyl chloride	ND		5.00	5	09/06/2024 01:01	WG2356876
Xylenes, Total	ND		15.0	5	09/06/2024 01:01	WG2356876
(S) Toluene-d8	*98.4*		*80.0-120*		*09/06/2024 01:01*	WG2356876
(S) 4-Bromofluorobenzene	*97.2*		*77.0-126*		*09/06/2024 01:01*	WG2356876
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*09/06/2024 01:01*	WG2356876

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,4-Dioxane	254		3.00	1	09/06/2024 23:51	WG2356686
(S) Toluene-d8	*108*		*77.0-127*		*09/06/2024 23:51*	WG2356686

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	74900		8000	2000	09/07/2024 18:07	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/01/2024 18:42	WG2354592
Acrolein	ND		50.0	1	09/01/2024 18:42	WG2354592
Acrylonitrile	ND		10.0	1	09/01/2024 18:42	WG2354592
Benzene	5.26		1.00	1	09/01/2024 18:42	WG2354592
Bromobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
Bromodichloromethane	ND		1.00	1	09/01/2024 18:42	WG2354592
Bromoform	ND		1.00	1	09/01/2024 18:42	WG2354592
Bromomethane	ND	R7	5.00	1	09/01/2024 18:42	WG2354592
1,3-Butadiene	ND		2.00	1	09/01/2024 18:42	WG2354592
n-Butylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
sec-Butylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
tert-Butylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
Carbon tetrachloride	ND		1.00	1	09/01/2024 18:42	WG2354592
Carbon disulfide	ND		1.00	1	09/01/2024 18:42	WG2354592
Chlorobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
Chlorodibromomethane	ND		1.00	1	09/01/2024 18:42	WG2354592
Chloroethane	ND		5.00	1	09/01/2024 18:42	WG2354592
Chloroform	5.00		5.00	1	09/01/2024 18:42	WG2354592
Chloromethane	ND	R7	2.50	1	09/01/2024 18:42	WG2354592
Cyclohexane	ND		1.00	1	09/01/2024 18:42	WG2354592
2-Chlorotoluene	ND		1.00	1	09/01/2024 18:42	WG2354592
4-Chlorotoluene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/01/2024 18:42	WG2354592
1,2-Dibromoethane	ND		1.00	1	09/01/2024 18:42	WG2354592
Dibromomethane	ND		1.00	1	09/01/2024 18:42	WG2354592
1,2-Dichlorobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,3-Dichlorobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,4-Dichlorobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
Dichlorodifluoromethane	ND		5.00	1	09/01/2024 18:42	WG2354592
1,1-Dichloroethane	4.71		1.00	1	09/01/2024 18:42	WG2354592
1,2-Dichloroethane	1.13		1.00	1	09/01/2024 18:42	WG2354592
1,1-Dichloroethene	350	E1	1.00	1	09/01/2024 18:42	WG2354592
1,1-Dichloroethene	ND		500	500	09/06/2024 01:22	WG2356876
cis-1,2-Dichloroethene	17.1		1.00	1	09/01/2024 18:42	WG2354592
trans-1,2-Dichloroethene	1.73		1.00	1	09/01/2024 18:42	WG2354592
1,2-Dichloropropane	ND		1.00	1	09/01/2024 18:42	WG2354592
1,1-Dichloropropene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,3-Dichloropropane	ND		1.00	1	09/01/2024 18:42	WG2354592
cis-1,3-Dichloropropene	ND		1.00	1	09/01/2024 18:42	WG2354592
trans-1,3-Dichloropropene	ND		1.00	1	09/01/2024 18:42	WG2354592
2,2-Dichloropropane	ND		1.00	1	09/01/2024 18:42	WG2354592
Dicyclopentadiene	ND		1.00	1	09/01/2024 18:42	WG2354592
Di-isopropyl ether	ND		1.00	1	09/01/2024 18:42	WG2354592
Ethylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
4-Ethyltoluene	ND		1.00	1	09/01/2024 18:42	WG2354592
Hexachloro-1,3-butadiene	ND		1.00	1	09/01/2024 18:42	WG2354592
n-Hexane	ND		10.0	1	09/01/2024 18:42	WG2354592
Isopropylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
p-Isopropyltoluene	ND		1.00	1	09/01/2024 18:42	WG2354592
2-Butanone (MEK)	ND		10.0	1	09/01/2024 18:42	WG2354592

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methyl Cyclohexane	ND		1.00	1	09/01/2024 18:42	WG2354592
Methylene Chloride	ND	L2 R7	5.00	1	09/01/2024 18:42	WG2354592
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/01/2024 18:42	WG2354592
Methyl tert-butyl ether	ND		1.00	1	09/01/2024 18:42	WG2354592
Naphthalene	ND		5.00	1	09/01/2024 18:42	WG2354592
Propene	ND	R7	2.50	1	09/01/2024 18:42	WG2354592
n-Propylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
Styrene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/01/2024 18:42	WG2354592
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/01/2024 18:42	WG2354592
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/01/2024 18:42	WG2354592
Tetrachloroethene	4.20		1.00	1	09/01/2024 18:42	WG2354592
Toluene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,2,3-Trichlorobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,2,4-Trichlorobenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,1,1-Trichloroethane	ND		1.00	1	09/01/2024 18:42	WG2354592
1,1,2-Trichloroethane	4.40		1.00	1	09/01/2024 18:42	WG2354592
Trichloroethene	3190		500	500	09/06/2024 01:22	WG2356876
Trichlorofluoromethane	ND		5.00	1	09/01/2024 18:42	WG2354592
1,2,3-Trichloropropane	ND		2.50	1	09/01/2024 18:42	WG2354592
1,2,4-Trimethylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,2,3-Trimethylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
1,3,5-Trimethylbenzene	ND		1.00	1	09/01/2024 18:42	WG2354592
Vinyl chloride	ND		1.00	1	09/01/2024 18:42	WG2354592
Xylenes, Total	ND		3.00	1	09/01/2024 18:42	WG2354592
(S) Toluene-d8	*106*		*80.0-120*		*09/01/2024 18:42*	WG2354592
(S) Toluene-d8	*95.6*		*80.0-120*		*09/06/2024 01:22*	WG2356876
(S) 4-Bromofluorobenzene	*99.1*		*77.0-126*		*09/01/2024 18:42*	WG2354592
(S) 4-Bromofluorobenzene	*88.8*		*77.0-126*		*09/06/2024 01:22*	WG2356876
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*09/01/2024 18:42*	WG2354592
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*09/06/2024 01:22*	WG2356876

Sample Narrative:

L1772628-25 WG2354592: Report 11DCE OOH to confirm E result.

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	375		3.00	1	09/07/2024 00:13	WG2356686
(S) Toluene-d8	*101*		*77.0-127*		*09/07/2024 00:13*	WG2356686

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	85600		8000	2000	09/07/2024 18:35	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		1250	25	09/03/2024 11:34	WG2354942
Acrolein	ND	L1	1250	25	09/03/2024 11:34	WG2354942
Acrylonitrile	ND	L1	250	25	09/03/2024 11:34	WG2354942
Benzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Bromobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Bromodichloromethane	ND		25.0	25	09/03/2024 11:34	WG2354942
Bromoform	ND		25.0	25	09/03/2024 11:34	WG2354942
Bromomethane	ND		125	25	09/03/2024 11:34	WG2354942
1,3-Butadiene	ND		50.0	25	09/03/2024 11:34	WG2354942
n-Butylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
sec-Butylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
tert-Butylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Carbon tetrachloride	ND		25.0	25	09/03/2024 11:34	WG2354942
Carbon disulfide	ND		25.0	25	09/03/2024 11:34	WG2354942
Chlorobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Chlorodibromomethane	ND		25.0	25	09/03/2024 11:34	WG2354942
Chloroethane	ND		125	25	09/03/2024 11:34	WG2354942
Chloroform	ND		125	25	09/03/2024 11:34	WG2354942
Chloromethane	ND		62.5	25	09/03/2024 11:34	WG2354942
Cyclohexane	ND		25.0	25	09/03/2024 11:34	WG2354942
2-Chlorotoluene	ND		25.0	25	09/03/2024 11:34	WG2354942
4-Chlorotoluene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2-Dibromo-3-Chloropropane	ND		125	25	09/03/2024 11:34	WG2354942
1,2-Dibromoethane	ND		25.0	25	09/03/2024 11:34	WG2354942
Dibromomethane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2-Dichlorobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,3-Dichlorobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,4-Dichlorobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Dichlorodifluoromethane	ND		125	25	09/03/2024 11:34	WG2354942
1,1-Dichloroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2-Dichloroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1-Dichloroethene	86.0		25.0	25	09/03/2024 11:34	WG2354942
cis-1,2-Dichloroethene	ND		25.0	25	09/03/2024 11:34	WG2354942
trans-1,2-Dichloroethene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2-Dichloropropane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1-Dichloropropene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,3-Dichloropropane	ND		25.0	25	09/03/2024 11:34	WG2354942
cis-1,3-Dichloropropene	ND		25.0	25	09/03/2024 11:34	WG2354942
trans-1,3-Dichloropropene	ND		25.0	25	09/03/2024 11:34	WG2354942
2,2-Dichloropropane	ND		25.0	25	09/03/2024 11:34	WG2354942
Dicyclopentadiene	ND		25.0	25	09/03/2024 11:34	WG2354942
Di-isopropyl ether	ND		25.0	25	09/03/2024 11:34	WG2354942
Ethylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
4-Ethyltoluene	ND		25.0	25	09/03/2024 11:34	WG2354942
Hexachloro-1,3-butadiene	ND		25.0	25	09/03/2024 11:34	WG2354942
n-Hexane	ND		250	25	09/03/2024 11:34	WG2354942
Isopropylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
p-Isopropyltoluene	ND		25.0	25	09/03/2024 11:34	WG2354942
2-Butanone (MEK)	ND		250	25	09/03/2024 11:34	WG2354942
Methyl Cyclohexane	ND		25.0	25	09/03/2024 11:34	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		125	25	09/03/2024 11:34	WG2354942
4-Methyl-2-pentanone (MIBK)	ND		250	25	09/03/2024 11:34	WG2354942
Methyl tert-butyl ether	ND		25.0	25	09/03/2024 11:34	WG2354942
Naphthalene	ND		125	25	09/03/2024 11:34	WG2354942
Propene	ND		62.5	25	09/03/2024 11:34	WG2354942
n-Propylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Styrene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1,1,2-Tetrachloroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1,2,2-Tetrachloroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1,2-Trichlorotrifluoroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
Tetrachloroethene	ND		25.0	25	09/03/2024 11:34	WG2354942
Toluene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2,3-Trichlorobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2,4-Trichlorobenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1,1-Trichloroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
1,1,2-Trichloroethane	ND		25.0	25	09/03/2024 11:34	WG2354942
Trichloroethene	686		25.0	25	09/03/2024 11:34	WG2354942
Trichlorofluoromethane	ND		125	25	09/03/2024 11:34	WG2354942
1,2,3-Trichloropropane	ND		62.5	25	09/03/2024 11:34	WG2354942
1,2,4-Trimethylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,2,3-Trimethylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
1,3,5-Trimethylbenzene	ND		25.0	25	09/03/2024 11:34	WG2354942
Vinyl chloride	ND		25.0	25	09/03/2024 11:34	WG2354942
Xylenes, Total	ND		75.0	25	09/03/2024 11:34	WG2354942
(S) Toluene-d8	*103*		*80.0-120*		*09/03/2024 11:34*	WG2354942
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*09/03/2024 11:34*	WG2354942
(S) 1,2-Dichloroethane-d4	*118*		*70.0-130*		*09/03/2024 11:34*	WG2354942

Sample Narrative:

L1772628-26 WG2354942: Target compound too high to run at a lower dilution.

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	35.2		3.00	1	09/07/2024 00:44	WG2356686
(S) Toluene-d8	*102*		*77.0-127*		*09/07/2024 00:44*	WG2356686

Wet Chemistry by Method 314.0 Mod

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Perchlorate	ND	M1	4.00	1	09/07/2024 19:03	WG2353445

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND	M1	50.0	1	09/03/2024 07:05	WG2354942
Acrolein	ND	L1 M1	50.0	1	09/03/2024 07:05	WG2354942
Acrylonitrile	ND	L1	10.0	1	09/03/2024 07:05	WG2354942
Benzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Bromobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Bromodichloromethane	ND		1.00	1	09/03/2024 07:05	WG2354942
Bromoform	ND		1.00	1	09/03/2024 07:05	WG2354942
Bromomethane	ND		5.00	1	09/03/2024 07:05	WG2354942
1,3-Butadiene	ND		2.00	1	09/03/2024 07:05	WG2354942
n-Butylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
sec-Butylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
tert-Butylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Carbon tetrachloride	ND		1.00	1	09/03/2024 07:05	WG2354942
Carbon disulfide	ND		1.00	1	09/03/2024 07:05	WG2354942
Chlorobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Chlorodibromomethane	ND		1.00	1	09/03/2024 07:05	WG2354942
Chloroethane	ND		5.00	1	09/03/2024 07:05	WG2354942
Chloroform	ND		5.00	1	09/03/2024 07:05	WG2354942
Chloromethane	ND		2.50	1	09/03/2024 07:05	WG2354942
Cyclohexane	ND		1.00	1	09/03/2024 07:05	WG2354942
2-Chlorotoluene	ND		1.00	1	09/03/2024 07:05	WG2354942
4-Chlorotoluene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/03/2024 07:05	WG2354942
1,2-Dibromoethane	ND		1.00	1	09/03/2024 07:05	WG2354942
Dibromomethane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2-Dichlorobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,3-Dichlorobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,4-Dichlorobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Dichlorodifluoromethane	ND		5.00	1	09/03/2024 07:05	WG2354942
1,1-Dichloroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2-Dichloroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1-Dichloroethene	ND		1.00	1	09/03/2024 07:05	WG2354942
cis-1,2-Dichloroethene	ND		1.00	1	09/03/2024 07:05	WG2354942
trans-1,2-Dichloroethene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2-Dichloropropane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1-Dichloropropene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,3-Dichloropropane	ND		1.00	1	09/03/2024 07:05	WG2354942
cis-1,3-Dichloropropene	ND		1.00	1	09/03/2024 07:05	WG2354942
trans-1,3-Dichloropropene	ND		1.00	1	09/03/2024 07:05	WG2354942
2,2-Dichloropropane	ND		1.00	1	09/03/2024 07:05	WG2354942
Dicyclopentadiene	ND		1.00	1	09/03/2024 07:05	WG2354942
Di-isopropyl ether	ND		1.00	1	09/03/2024 07:05	WG2354942
Ethylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
4-Ethyltoluene	ND		1.00	1	09/03/2024 07:05	WG2354942
Hexachloro-1,3-butadiene	ND		1.00	1	09/03/2024 07:05	WG2354942
n-Hexane	ND		10.0	1	09/03/2024 07:05	WG2354942
Isopropylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
p-Isopropyltoluene	ND		1.00	1	09/03/2024 07:05	WG2354942
2-Butanone (MEK)	ND		10.0	1	09/03/2024 07:05	WG2354942
Methyl Cyclohexane	ND		1.00	1	09/03/2024 07:05	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	ND		5.00	1	09/03/2024 07:05	WG2354942
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/03/2024 07:05	WG2354942
Methyl tert-butyl ether	ND		1.00	1	09/03/2024 07:05	WG2354942
Naphthalene	ND		5.00	1	09/03/2024 07:05	WG2354942
Propene	ND		2.50	1	09/03/2024 07:05	WG2354942
n-Propylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Styrene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
Tetrachloroethene	ND		1.00	1	09/03/2024 07:05	WG2354942
Toluene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2,3-Trichlorobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2,4-Trichlorobenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1,1-Trichloroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
1,1,2-Trichloroethane	ND		1.00	1	09/03/2024 07:05	WG2354942
Trichloroethene	2.78		1.00	1	09/03/2024 07:05	WG2354942
Trichlorofluoromethane	ND		5.00	1	09/03/2024 07:05	WG2354942
1,2,3-Trichloropropane	ND		2.50	1	09/03/2024 07:05	WG2354942
1,2,4-Trimethylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,2,3-Trimethylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
1,3,5-Trimethylbenzene	ND		1.00	1	09/03/2024 07:05	WG2354942
Vinyl chloride	ND		1.00	1	09/03/2024 07:05	WG2354942
Xylenes, Total	ND		3.00	1	09/03/2024 07:05	WG2354942
(S) Toluene-d8	*106*		*80.0-120*		*09/03/2024 07:05*	WG2354942
(S) 4-Bromofluorobenzene	*95.3*		*77.0-126*		*09/03/2024 07:05*	WG2354942
(S) 1,2-Dichloroethane-d4	*119*		*70.0-130*		*09/03/2024 07:05*	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	3.24		3.00	1	09/07/2024 01:06	WG2356686
(S) Toluene-d8	*102*		*77.0-127*		*09/07/2024 01:06*	WG2356686

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/03/2024 07:24	WG2354942
Acrolein	ND	L1	50.0	1	09/03/2024 07:24	WG2354942
Acrylonitrile	ND	L1	10.0	1	09/03/2024 07:24	WG2354942
Benzene	ND		1.00	1	09/03/2024 07:24	WG2354942
Bromobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
Bromodichloromethane	ND		1.00	1	09/03/2024 07:24	WG2354942
Bromoform	ND		1.00	1	09/03/2024 07:24	WG2354942
Bromomethane	ND		5.00	1	09/03/2024 07:24	WG2354942
1,3-Butadiene	ND		2.00	1	09/03/2024 07:24	WG2354942
n-Butylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
sec-Butylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
tert-Butylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
Carbon tetrachloride	ND		1.00	1	09/03/2024 07:24	WG2354942
Carbon disulfide	ND		1.00	1	09/03/2024 07:24	WG2354942
Chlorobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
Chlorodibromomethane	ND		1.00	1	09/03/2024 07:24	WG2354942
Chloroethane	ND		5.00	1	09/03/2024 07:24	WG2354942
Chloroform	ND		5.00	1	09/03/2024 07:24	WG2354942
Chloromethane	ND		2.50	1	09/03/2024 07:24	WG2354942
Cyclohexane	ND		1.00	1	09/03/2024 07:24	WG2354942
2-Chlorotoluene	ND		1.00	1	09/03/2024 07:24	WG2354942
4-Chlorotoluene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/03/2024 07:24	WG2354942
1,2-Dibromoethane	ND		1.00	1	09/03/2024 07:24	WG2354942
Dibromomethane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2-Dichlorobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,3-Dichlorobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,4-Dichlorobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
Dichlorodifluoromethane	ND		5.00	1	09/03/2024 07:24	WG2354942
1,1-Dichloroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2-Dichloroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1-Dichloroethene	ND		1.00	1	09/03/2024 07:24	WG2354942
cis-1,2-Dichloroethene	ND		1.00	1	09/03/2024 07:24	WG2354942
trans-1,2-Dichloroethene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2-Dichloropropane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1-Dichloropropene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,3-Dichloropropane	ND		1.00	1	09/03/2024 07:24	WG2354942
cis-1,3-Dichloropropene	ND		1.00	1	09/03/2024 07:24	WG2354942
trans-1,3-Dichloropropene	ND		1.00	1	09/03/2024 07:24	WG2354942
2,2-Dichloropropane	ND		1.00	1	09/03/2024 07:24	WG2354942
Dicyclopentadiene	ND		1.00	1	09/03/2024 07:24	WG2354942
Di-isopropyl ether	ND		1.00	1	09/03/2024 07:24	WG2354942
Ethylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
4-Ethyltoluene	ND		1.00	1	09/03/2024 07:24	WG2354942
Hexachloro-1,3-butadiene	ND		1.00	1	09/03/2024 07:24	WG2354942
n-Hexane	ND		10.0	1	09/03/2024 07:24	WG2354942
Isopropylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
p-Isopropyltoluene	ND		1.00	1	09/03/2024 07:24	WG2354942
2-Butanone (MEK)	ND		10.0	1	09/03/2024 07:24	WG2354942
Methyl Cyclohexane	ND		1.00	1	09/03/2024 07:24	WG2354942
Methylene Chloride	ND		5.00	1	09/03/2024 07:24	WG2354942
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/03/2024 07:24	WG2354942
Methyl tert-butyl ether	ND		1.00	1	09/03/2024 07:24	WG2354942
Naphthalene	ND		5.00	1	09/03/2024 07:24	WG2354942
Propene	ND		2.50	1	09/03/2024 07:24	WG2354942
n-Propylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
Tetrachloroethene	ND		1.00	1	09/03/2024 07:24	WG2354942
Toluene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2,3-Trichlorobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2,4-Trichlorobenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1,1-Trichloroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
1,1,2-Trichloroethane	ND		1.00	1	09/03/2024 07:24	WG2354942
Trichloroethene	ND		1.00	1	09/03/2024 07:24	WG2354942
Trichlorofluoromethane	ND		5.00	1	09/03/2024 07:24	WG2354942
1,2,3-Trichloropropane	ND		2.50	1	09/03/2024 07:24	WG2354942
1,2,4-Trimethylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,2,3-Trimethylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
1,3,5-Trimethylbenzene	ND		1.00	1	09/03/2024 07:24	WG2354942
Vinyl chloride	ND		1.00	1	09/03/2024 07:24	WG2354942
Xylenes, Total	ND		3.00	1	09/03/2024 07:24	WG2354942
(S) Toluene-d8	*106*		*80.0-120*		*09/03/2024 07:24*	WG2354942
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*09/03/2024 07:24*	WG2354942
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*09/03/2024 07:24*	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/09/2024 13:14	WG2358449
(S) Toluene-d8	*99.4*		*77.0-127*		*09/09/2024 13:14*	WG2358449

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/03/2024 05:29	WG2354942
Acrolein	ND	L1	50.0	1	09/03/2024 05:29	WG2354942
Acrylonitrile	ND	L1	10.0	1	09/03/2024 05:29	WG2354942
Benzene	ND		1.00	1	09/03/2024 05:29	WG2354942
Bromobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
Bromodichloromethane	ND		1.00	1	09/03/2024 05:29	WG2354942
Bromoform	ND		1.00	1	09/03/2024 05:29	WG2354942
Bromomethane	ND		5.00	1	09/03/2024 05:29	WG2354942
1,3-Butadiene	ND		2.00	1	09/03/2024 05:29	WG2354942
n-Butylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
sec-Butylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
tert-Butylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
Carbon tetrachloride	ND		1.00	1	09/03/2024 05:29	WG2354942
Carbon disulfide	ND		1.00	1	09/03/2024 05:29	WG2354942
Chlorobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
Chlorodibromomethane	ND		1.00	1	09/03/2024 05:29	WG2354942
Chloroethane	ND		5.00	1	09/03/2024 05:29	WG2354942
Chloroform	ND		5.00	1	09/03/2024 05:29	WG2354942
Chloromethane	ND		2.50	1	09/03/2024 05:29	WG2354942
Cyclohexane	ND		1.00	1	09/03/2024 05:29	WG2354942
2-Chlorotoluene	ND		1.00	1	09/03/2024 05:29	WG2354942
4-Chlorotoluene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/03/2024 05:29	WG2354942
1,2-Dibromoethane	ND		1.00	1	09/03/2024 05:29	WG2354942
Dibromomethane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2-Dichlorobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,3-Dichlorobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,4-Dichlorobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
Dichlorodifluoromethane	ND		5.00	1	09/03/2024 05:29	WG2354942
1,1-Dichloroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2-Dichloroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1-Dichloroethene	ND		1.00	1	09/03/2024 05:29	WG2354942
cis-1,2-Dichloroethene	ND		1.00	1	09/03/2024 05:29	WG2354942
trans-1,2-Dichloroethene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2-Dichloropropane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1-Dichloropropene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,3-Dichloropropane	ND		1.00	1	09/03/2024 05:29	WG2354942
cis-1,3-Dichloropropene	ND		1.00	1	09/03/2024 05:29	WG2354942
trans-1,3-Dichloropropene	ND		1.00	1	09/03/2024 05:29	WG2354942
2,2-Dichloropropane	ND		1.00	1	09/03/2024 05:29	WG2354942
Dicyclopentadiene	ND		1.00	1	09/03/2024 05:29	WG2354942
Di-isopropyl ether	ND		1.00	1	09/03/2024 05:29	WG2354942
Ethylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
4-Ethyltoluene	ND		1.00	1	09/03/2024 05:29	WG2354942
Hexachloro-1,3-butadiene	ND		1.00	1	09/03/2024 05:29	WG2354942
n-Hexane	ND		10.0	1	09/03/2024 05:29	WG2354942
Isopropylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
p-Isopropyltoluene	ND		1.00	1	09/03/2024 05:29	WG2354942
2-Butanone (MEK)	ND		10.0	1	09/03/2024 05:29	WG2354942
Methyl Cyclohexane	ND		1.00	1	09/03/2024 05:29	WG2354942
Methylene Chloride	ND		5.00	1	09/03/2024 05:29	WG2354942
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/03/2024 05:29	WG2354942
Methyl tert-butyl ether	ND		1.00	1	09/03/2024 05:29	WG2354942
Naphthalene	ND		5.00	1	09/03/2024 05:29	WG2354942
Propene	ND		2.50	1	09/03/2024 05:29	WG2354942
n-Propylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
Tetrachloroethene	ND		1.00	1	09/03/2024 05:29	WG2354942
Toluene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2,3-Trichlorobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2,4-Trichlorobenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1,1-Trichloroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
1,1,2-Trichloroethane	ND		1.00	1	09/03/2024 05:29	WG2354942
Trichloroethene	ND		1.00	1	09/03/2024 05:29	WG2354942
Trichlorofluoromethane	ND		5.00	1	09/03/2024 05:29	WG2354942
1,2,3-Trichloropropane	ND		2.50	1	09/03/2024 05:29	WG2354942
1,2,4-Trimethylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,2,3-Trimethylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
1,3,5-Trimethylbenzene	ND		1.00	1	09/03/2024 05:29	WG2354942
Vinyl chloride	ND		1.00	1	09/03/2024 05:29	WG2354942
Xylenes, Total	ND		3.00	1	09/03/2024 05:29	WG2354942
(S) Toluene-d8	*104*		*80.0-120*		*09/03/2024 05:29*	WG2354942
(S) 4-Bromofluorobenzene	*98.6*		*77.0-126*		*09/03/2024 05:29*	WG2354942
(S) 1,2-Dichloroethane-d4	*117*		*70.0-130*		*09/03/2024 05:29*	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/06/2024 20:45	WG2356686
(S) Toluene-d8	*99.0*		*77.0-127*		*09/06/2024 20:45*	WG2356686

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	09/03/2024 05:48	WG2354942
Acrolein	ND	L1	50.0	1	09/03/2024 05:48	WG2354942
Acrylonitrile	ND	L1	10.0	1	09/03/2024 05:48	WG2354942
Benzene	ND		1.00	1	09/03/2024 05:48	WG2354942
Bromobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
Bromodichloromethane	ND		1.00	1	09/03/2024 05:48	WG2354942
Bromoform	ND		1.00	1	09/03/2024 05:48	WG2354942
Bromomethane	ND		5.00	1	09/03/2024 05:48	WG2354942
1,3-Butadiene	ND		2.00	1	09/03/2024 05:48	WG2354942
n-Butylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
sec-Butylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
tert-Butylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
Carbon tetrachloride	ND		1.00	1	09/03/2024 05:48	WG2354942
Carbon disulfide	ND		1.00	1	09/03/2024 05:48	WG2354942
Chlorobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
Chlorodibromomethane	ND		1.00	1	09/03/2024 05:48	WG2354942
Chloroethane	ND		5.00	1	09/03/2024 05:48	WG2354942
Chloroform	ND		5.00	1	09/03/2024 05:48	WG2354942
Chloromethane	ND		2.50	1	09/03/2024 05:48	WG2354942
Cyclohexane	ND		1.00	1	09/03/2024 05:48	WG2354942
2-Chlorotoluene	ND		1.00	1	09/03/2024 05:48	WG2354942
4-Chlorotoluene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2-Dibromo-3-Chloropropane	ND		5.00	1	09/03/2024 05:48	WG2354942
1,2-Dibromoethane	ND		1.00	1	09/03/2024 05:48	WG2354942
Dibromomethane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2-Dichlorobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,3-Dichlorobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,4-Dichlorobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
Dichlorodifluoromethane	ND		5.00	1	09/03/2024 05:48	WG2354942
1,1-Dichloroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2-Dichloroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1-Dichloroethene	ND		1.00	1	09/03/2024 05:48	WG2354942
cis-1,2-Dichloroethene	ND		1.00	1	09/03/2024 05:48	WG2354942
trans-1,2-Dichloroethene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2-Dichloropropane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1-Dichloropropene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,3-Dichloropropane	ND		1.00	1	09/03/2024 05:48	WG2354942
cis-1,3-Dichloropropene	ND		1.00	1	09/03/2024 05:48	WG2354942
trans-1,3-Dichloropropene	ND		1.00	1	09/03/2024 05:48	WG2354942
2,2-Dichloropropane	ND		1.00	1	09/03/2024 05:48	WG2354942
Dicyclopentadiene	ND		1.00	1	09/03/2024 05:48	WG2354942
Di-isopropyl ether	ND		1.00	1	09/03/2024 05:48	WG2354942
Ethylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
4-Ethyltoluene	ND		1.00	1	09/03/2024 05:48	WG2354942
Hexachloro-1,3-butadiene	ND		1.00	1	09/03/2024 05:48	WG2354942
n-Hexane	ND		10.0	1	09/03/2024 05:48	WG2354942
Isopropylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
p-Isopropyltoluene	ND		1.00	1	09/03/2024 05:48	WG2354942
2-Butanone (MEK)	ND		10.0	1	09/03/2024 05:48	WG2354942
Methyl Cyclohexane	ND		1.00	1	09/03/2024 05:48	WG2354942
Methylene Chloride	ND		5.00	1	09/03/2024 05:48	WG2354942
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	09/03/2024 05:48	WG2354942
Methyl tert-butyl ether	ND		1.00	1	09/03/2024 05:48	WG2354942
Naphthalene	ND		5.00	1	09/03/2024 05:48	WG2354942
Propene	ND		2.50	1	09/03/2024 05:48	WG2354942
n-Propylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1,1,2-Tetrachloroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1,2,2-Tetrachloroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
Tetrachloroethene	ND		1.00	1	09/03/2024 05:48	WG2354942
Toluene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2,3-Trichlorobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2,4-Trichlorobenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1,1-Trichloroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
1,1,2-Trichloroethane	ND		1.00	1	09/03/2024 05:48	WG2354942
Trichloroethene	ND		1.00	1	09/03/2024 05:48	WG2354942
Trichlorofluoromethane	ND		5.00	1	09/03/2024 05:48	WG2354942
1,2,3-Trichloropropane	ND		2.50	1	09/03/2024 05:48	WG2354942
1,2,4-Trimethylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,2,3-Trimethylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
1,3,5-Trimethylbenzene	ND		1.00	1	09/03/2024 05:48	WG2354942
Vinyl chloride	ND		1.00	1	09/03/2024 05:48	WG2354942
Xylenes, Total	ND		3.00	1	09/03/2024 05:48	WG2354942
(S) Toluene-d8	*108*		*80.0-120*		*09/03/2024 05:48*	WG2354942
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*09/03/2024 05:48*	WG2354942
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*09/03/2024 05:48*	WG2354942

Volatile Organic Compounds (GC/MS) by Method 8260B-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	09/06/2024 21:07	WG2356686
(S) Toluene-d8	*99.2*		*77.0-127*		*09/06/2024 21:07*	WG2356686

Method Blank (MB)

(MB) R4114274-1 08/30/24 16:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Perchlorate	U		0.800	4.00

Method Blank (MB)

(MB) R4114274-2 08/30/24 17:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Perchlorate	U		0.800	4.00

L1772628-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1772628-11 08/31/24 00:09 • (DUP) R4114274-4 08/31/24 00:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Perchlorate	33.6	32.4	1	3.49		15

Laboratory Control Sample (LCS)

(LCS) R4114274-3 08/30/24 18:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Perchlorate	10.0	10.4	104	85.0-115	

L1772628-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-11 08/31/24 00:09 • (MS) R4114274-5 08/31/24 01:05 • (MSD) R4114274-6 08/31/24 01:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Perchlorate	10.0	33.6	43.2	43.3	95.9	97.2	1	80.0-120			0.296	15

L1772628-12 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772628-12 08/31/24 02:00 • (MS) R4114274-7 08/31/24 02:28

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Perchlorate	10.0	ND	10.5	105	1	80.0-120	

L1772628-14 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772628-14 08/31/24 03:24 • (MS) R4114274-8 08/31/24 03:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Perchlorate	10.0	ND	8.99	89.9	1	80.0-120	

L1772628-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772628-15 08/31/24 04:20 • (MS) R4114274-9 08/31/24 04:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Perchlorate	10.0	ND	11.9	119	1	80.0-120	

Method Blank (MB)

(MB) R4116848-1 09/06/24 11:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Perchlorate	U		0.800	4.00

Method Blank (MB)

(MB) R4116848-3 09/06/24 12:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Perchlorate	U		0.800	4.00

L1772628-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1772628-27 09/07/24 19:03 • (DUP) R4117622-2 09/07/24 19:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Perchlorate	ND	ND	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4116848-2 09/06/24 12:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Perchlorate	10.0	9.60	96.0	85.0-115	

L1772628-24 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772628-24 09/07/24 17:11 • (MS) R4117622-1 09/07/24 17:39

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Perchlorate	10.0	13.3	23.6	103	1	80.0-120	

L1772628-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-27 09/07/24 19:03 • (MS) R4117622-3 09/07/24 19:58 • (MSD) R4117622-4 09/07/24 20:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Perchlorate	10.0	ND	62.9	60.2	629	602	1	80.0-120	M1	M1	4.34	15

L1772659-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772659-05 09/06/24 23:01 • (MS) R4116848-10 09/06/24 23:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Perchlorate	10.0	ND	14.4	106	1	80.0-120	

L1772659-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1772659-07 09/06/24 23:57 • (MS) R4116848-11 09/07/24 00:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Perchlorate	10.0	5.44	15.8	104	1	80.0-120	

L1772659-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772659-09 09/07/24 01:20 • (MS) R4116848-12 09/07/24 01:48 • (MSD) R4116848-13 09/07/24 02:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Perchlorate	10.0	4.25	15.4	14.9	112	107	1	80.0-120			3.34	15

Method Blank (MB)

(MB) R4115268-2 08/31/24 12:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
1,3-Butadiene	U		0.299	2.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00

Method Blank (MB)

(MB) R4115268-2 08/31/24 12:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dicyclopentadiene	U		0.253	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
4-Ethyltoluene	U		0.208	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
n-Hexane	U		0.749	10.0
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Propene	U		0.936	2.50
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115268-1 08/31/24 11:12 • (LCSD) R4115268-3 08/31/24 12:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	15.4	16.3	61.6	65.2	19.0-160			5.68	27
Acrolein	25.0	15.0	16.9	60.0	67.6	30.0-160			11.9	26
Acrylonitrile	25.0	18.0	18.2	72.0	72.8	55.0-149			1.10	20
Benzene	5.00	4.73	4.72	94.6	94.4	70.0-123			0.212	20
Bromobenzene	5.00	4.82	4.59	96.4	91.8	73.0-121			4.89	20
Bromodichloromethane	5.00	5.01	4.93	100	98.6	75.0-120			1.61	20
Bromoform	5.00	4.98	5.15	99.6	103	68.0-132			3.36	20
Bromomethane	5.00	6.35	5.56	127	111	30.0-160			13.3	25
1,3-Butadiene	5.00	5.10	4.93	102	98.6	45.0-147			3.39	20
n-Butylbenzene	5.00	4.45	4.50	89.0	90.0	73.0-125			1.12	20
sec-Butylbenzene	5.00	4.67	4.65	93.4	93.0	75.0-125			0.429	20
tert-Butylbenzene	5.00	4.58	4.48	91.6	89.6	76.0-124			2.21	20
Carbon tetrachloride	5.00	5.18	5.10	104	102	68.0-126			1.56	20
Carbon disulfide	5.00	4.95	4.56	99.0	91.2	61.0-128			8.20	20
Chlorobenzene	5.00	4.81	4.97	96.2	99.4	80.0-121			3.27	20
Chlorodibromomethane	5.00	4.81	5.21	96.2	104	77.0-125			7.98	20
Chloroethane	5.00	2.84	2.97	56.8	59.4	47.0-150			4.48	20
Chloroform	5.00	4.79	4.97	95.8	99.4	73.0-120			3.69	20
Chloromethane	5.00	5.94	5.90	119	118	41.0-142			0.676	20
Cyclohexane	5.00	5.04	4.77	101	95.4	71.0-124			5.50	20
2-Chlorotoluene	5.00	4.60	4.47	92.0	89.4	76.0-123			2.87	20
4-Chlorotoluene	5.00	4.70	4.47	94.0	89.4	75.0-122			5.02	20
1,2-Dibromo-3-Chloropropane	5.00	3.52	3.20	70.4	64.0	58.0-134			9.52	20
1,2-Dibromoethane	5.00	4.65	5.14	93.0	103	80.0-122			10.0	20
Dibromomethane	5.00	4.76	4.81	95.2	96.2	80.0-120			1.04	20
1,2-Dichlorobenzene	5.00	4.73	4.53	94.6	90.6	79.0-121			4.32	20
1,3-Dichlorobenzene	5.00	4.79	4.54	95.8	90.8	79.0-120			5.36	20
1,4-Dichlorobenzene	5.00	4.73	4.68	94.6	93.6	79.0-120			1.06	20
Dichlorodifluoromethane	5.00	6.56	6.03	131	121	51.0-149			8.42	20
1,1-Dichloroethane	5.00	4.63	4.78	92.6	95.6	70.0-126			3.19	20
1,2-Dichloroethane	5.00	4.74	4.99	94.8	99.8	70.0-128			5.14	20
1,1-Dichloroethene	5.00	4.74	4.99	94.8	99.8	71.0-124			5.14	20
cis-1,2-Dichloroethene	5.00	4.83	5.05	96.6	101	73.0-120			4.45	20
trans-1,2-Dichloroethene	5.00	4.91	5.06	98.2	101	73.0-120			3.01	20
1,2-Dichloropropane	5.00	4.83	4.49	96.6	89.8	77.0-125			7.30	20
1,1-Dichloropropene	5.00	5.01	4.87	100	97.4	74.0-126			2.83	20
1,3-Dichloropropane	5.00	4.87	5.14	97.4	103	80.0-120			5.39	20
cis-1,3-Dichloropropene	5.00	4.41	4.63	88.2	92.6	80.0-123			4.87	20
trans-1,3-Dichloropropene	5.00	4.69	5.01	93.8	100	78.0-124			6.60	20
2,2-Dichloropropane	5.00	4.45	5.16	89.0	103	58.0-130			14.8	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115268-1 08/31/24 11:12 • (LCSD) R4115268-3 08/31/24 12:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	4.67	4.54	93.4	90.8	74.0-126			2.82	20
Di-isopropyl ether	5.00	4.70	4.84	94.0	96.8	58.0-138			2.94	20
Ethylbenzene	5.00	4.85	4.93	97.0	98.6	79.0-123			1.64	20
4-Ethyltoluene	5.00	4.61	4.54	92.2	90.8	74.0-127			1.53	20
Hexachloro-1,3-butadiene	5.00	4.63	4.72	92.6	94.4	54.0-138			1.93	20
n-Hexane	5.00	5.01	4.90	100	98.0	57.0-133			2.22	20
Isopropylbenzene	5.00	4.89	5.04	97.8	101	76.0-127			3.02	20
p-Isopropyltoluene	5.00	4.52	4.42	90.4	88.4	76.0-125			2.24	20
2-Butanone (MEK)	25.0	16.5	16.7	66.0	66.8	44.0-160			1.20	20
Methyl Cyclohexane	5.00	4.72	4.52	94.4	90.4	68.0-126			4.33	20
Methylene Chloride	5.00	4.57	4.81	91.4	96.2	67.0-120			5.12	20
4-Methyl-2-pentanone (MIBK)	25.0	19.8	20.2	79.2	80.8	68.0-142			2.00	20
Methyl tert-butyl ether	5.00	4.86	4.97	97.2	99.4	68.0-125			2.24	20
Naphthalene	5.00	4.09	3.92	81.8	78.4	54.0-135			4.24	20
Propene	5.00	5.69	4.83	114	96.6	30.0-160			16.3	20
n-Propylbenzene	5.00	4.67	4.52	93.4	90.4	77.0-124			3.26	20
Styrene	5.00	4.64	5.01	92.8	100	73.0-130			7.67	20
1,1,1,2-Tetrachloroethane	5.00	5.15	5.31	103	106	75.0-125			3.06	20
1,1,2,2-Tetrachloroethane	5.00	4.07	4.39	81.4	87.8	65.0-130			7.57	20
1,1,2-Trichlorotrifluoroethane	5.00	5.16	5.00	103	100	69.0-132			3.15	20
Tetrachloroethene	5.00	5.32	5.46	106	109	72.0-132			2.60	20
Toluene	5.00	4.76	4.87	95.2	97.4	79.0-120			2.28	20
1,2,3-Trichlorobenzene	5.00	4.71	4.53	94.2	90.6	50.0-138			3.90	20
1,2,4-Trichlorobenzene	5.00	4.28	4.13	85.6	82.6	57.0-137			3.57	20
1,1,1-Trichloroethane	5.00	5.20	5.08	104	102	73.0-124			2.33	20
1,1,2-Trichloroethane	5.00	4.74	4.96	94.8	99.2	80.0-120			4.54	20
Trichloroethene	5.00	5.37	4.73	107	94.6	78.0-124			12.7	20
Trichlorofluoromethane	5.00	5.64	5.85	113	117	59.0-147			3.66	20
1,2,3-Trichloropropane	5.00	4.33	4.35	86.6	87.0	73.0-130			0.461	20
1,2,4-Trimethylbenzene	5.00	4.62	4.47	92.4	89.4	76.0-121			3.30	20
1,2,3-Trimethylbenzene	5.00	4.54	4.49	90.8	89.8	77.0-120			1.11	20
1,3,5-Trimethylbenzene	5.00	4.72	4.66	94.4	93.2	76.0-122			1.28	20
Vinyl chloride	5.00	5.80	5.86	116	117	67.0-131			1.03	20
Xylenes, Total	15.0	14.0	14.5	93.3	96.7	79.0-123			3.51	20
(S) Toluene-d8				*107*	*108*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.2*	*93.6*	*70.0-130*				

L1772628-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-11 08/31/24 18:59 • (MS) R4115268-4 08/31/24 23:10 • (MSD) R4115268-5 08/31/24 23:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	ND	ND	ND	47.2	43.0	1	10.0-160			200	35
Acrolein	25.0	ND	ND	ND	66.0	63.6	1	10.0-160			3.70	39
Acrylonitrile	25.0	ND	14.5	13.4	58.0	53.6	1	21.0-160			7.89	32
Benzene	5.00	ND	5.11	4.95	102	99.0	1	17.0-158			3.18	27
Bromobenzene	5.00	ND	4.70	4.76	94.0	95.2	1	30.0-149			1.27	28
Bromodichloromethane	5.00	ND	5.45	5.36	109	107	1	31.0-150			1.67	27
Bromoform	5.00	ND	4.70	4.60	94.0	92.0	1	29.0-150			2.15	29
Bromomethane	5.00	ND	9.31	9.25	186	185	1	10.0-160	M1	M1	0.647	38
1,3-Butadiene	5.00	ND	6.09	6.21	122	124	1	10.0-160			1.95	22
n-Butylbenzene	5.00	ND	4.30	4.58	86.0	91.6	1	31.0-150			6.31	30
sec-Butylbenzene	5.00	ND	4.69	4.73	93.8	94.6	1	33.0-155			0.849	29
tert-Butylbenzene	5.00	ND	4.40	4.55	88.0	91.0	1	34.0-153			3.35	28
Carbon tetrachloride	5.00	ND	5.69	5.74	114	115	1	23.0-159			0.875	28
Carbon disulfide	5.00	ND	4.77	4.64	95.4	92.8	1	10.0-156			2.76	28
Chlorobenzene	5.00	ND	5.06	4.95	101	99.0	1	33.0-152			2.20	27
Chlorodibromomethane	5.00	ND	5.00	5.13	100	103	1	37.0-149			2.57	27
Chloroethane	5.00	ND	ND	ND	67.2	63.8	1	10.0-160			5.19	30
Chloroform	5.00	ND	5.57	5.24	111	105	1	29.0-154			6.11	28
Chloromethane	5.00	ND	5.99	5.79	120	116	1	10.0-160			3.40	29
Cyclohexane	5.00	ND	5.20	4.79	104	95.8	1	19.0-160			8.21	23
2-Chlorotoluene	5.00	ND	4.84	4.68	96.8	93.6	1	32.0-153			3.36	28
4-Chlorotoluene	5.00	ND	4.60	4.72	92.0	94.4	1	32.0-150			2.58	28
1,2-Dibromo-3-Chloropropane	5.00	ND	ND	ND	54.2	50.0	1	22.0-151			8.06	34
1,2-Dibromoethane	5.00	ND	4.74	4.71	94.8	94.2	1	34.0-147			0.635	27
Dibromomethane	5.00	ND	5.30	5.30	106	106	1	30.0-151			0.000	27
1,2-Dichlorobenzene	5.00	ND	4.81	4.90	96.2	98.0	1	34.0-149			1.85	28
1,3-Dichlorobenzene	5.00	ND	4.73	4.73	94.6	94.6	1	36.0-146			0.000	27
1,4-Dichlorobenzene	5.00	ND	4.90	4.95	98.0	99.0	1	35.0-142			1.02	27
Dichlorodifluoromethane	5.00	ND	7.25	6.59	145	132	1	10.0-160			9.54	29
1,1-Dichloroethane	5.00	ND	5.15	4.98	103	99.6	1	25.0-158			3.36	27
1,2-Dichloroethane	5.00	ND	5.63	5.42	113	108	1	29.0-151			3.80	27
1,1-Dichloroethene	5.00	ND	5.21	5.27	104	105	1	11.0-160			1.15	29
cis-1,2-Dichloroethene	5.00	ND	5.03	5.10	101	102	1	10.0-160			1.38	27
trans-1,2-Dichloroethene	5.00	ND	5.34	5.06	107	101	1	17.0-153			5.38	27
1,2-Dichloropropane	5.00	ND	4.85	4.71	97.0	94.2	1	30.0-156			2.93	27
1,1-Dichloropropene	5.00	ND	5.46	5.37	109	107	1	25.0-158			1.66	27
1,3-Dichloropropane	5.00	ND	5.02	5.09	100	102	1	38.0-147			1.38	27
cis-1,3-Dichloropropene	5.00	ND	4.48	4.56	89.6	91.2	1	34.0-149			1.77	28
trans-1,3-Dichloropropene	5.00	ND	4.82	5.00	96.4	100	1	32.0-149			3.67	28
2,2-Dichloropropane	5.00	ND	5.55	5.50	111	110	1	24.0-152			0.905	29

L1772628-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-11 08/31/24 18:59 • (MS) R4115268-4 08/31/24 23:10 • (MSD) R4115268-5 08/31/24 23:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	ND	4.19	4.39	83.8	87.8	1	51.0-139			4.66	20
Di-isopropyl ether	5.00	ND	4.99	4.99	99.8	99.8	1	21.0-160			0.000	28
Ethylbenzene	5.00	ND	4.88	4.83	97.6	96.6	1	30.0-155			1.03	27
4-Ethyltoluene	5.00	ND	4.49	4.70	89.8	94.0	1	10.0-160			4.57	20
Hexachloro-1,3-butadiene	5.00	ND	4.43	4.69	88.6	93.8	1	20.0-154			5.70	34
n-Hexane	5.00	ND	ND	ND	97.8	96.2	1	10.0-153			1.65	28
Isopropylbenzene	5.00	ND	5.02	5.07	100	101	1	28.0-157			0.991	27
p-Isopropyltoluene	5.00	ND	4.37	4.50	87.4	90.0	1	30.0-154			2.93	29
2-Butanone (MEK)	25.0	ND	12.5	11.2	50.0	44.8	1	10.0-160			11.0	32
Methyl Cyclohexane	5.00	ND	4.79	4.57	95.8	91.4	1	11.0-160			4.70	24
Methylene Chloride	5.00	ND	ND	5.04	98.2	101	1	23.0-144			2.61	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	15.7	15.8	62.8	63.2	1	29.0-160			0.635	29
Methyl tert-butyl ether	5.00	ND	5.27	5.14	105	103	1	28.0-150			2.50	29
Naphthalene	5.00	ND	ND	ND	67.2	69.0	1	12.0-156			2.64	35
Propene	5.00	ND	6.25	5.87	125	117	1	10.0-160			6.27	29
n-Propylbenzene	5.00	ND	4.66	4.70	93.2	94.0	1	31.0-154			0.855	28
Styrene	5.00	ND	4.69	4.73	93.8	94.6	1	33.0-155			0.849	28
1,1,1,2-Tetrachloroethane	5.00	ND	5.19	5.41	104	108	1	36.0-151			4.15	29
1,1,2,2-Tetrachloroethane	5.00	ND	4.70	4.70	94.0	94.0	1	33.0-150			0.000	28
1,1,2-Trichlorotrifluoroethane	5.00	ND	6.01	5.44	120	109	1	23.0-160			9.96	30
Tetrachloroethene	5.00	ND	4.92	5.60	98.4	112	1	10.0-160			12.9	27
Toluene	5.00	ND	4.79	4.90	95.8	98.0	1	26.0-154			2.27	28
1,2,3-Trichlorobenzene	5.00	ND	4.56	4.70	91.2	94.0	1	17.0-150			3.02	36
1,2,4-Trichlorobenzene	5.00	ND	4.13	4.27	82.6	85.4	1	24.0-150			3.33	33
1,1,1-Trichloroethane	5.00	ND	5.93	5.59	119	112	1	23.0-160			5.90	28
1,1,2-Trichloroethane	5.00	ND	5.01	4.99	100	99.8	1	35.0-147			0.400	27
Trichloroethene	5.00	1.11	5.01	4.97	78.0	77.2	1	10.0-160			0.802	25
Trichlorofluoromethane	5.00	ND	6.62	6.37	132	127	1	17.0-160			3.85	31
1,2,3-Trichloropropane	5.00	ND	4.25	4.24	85.0	84.8	1	34.0-151			0.236	29
1,2,4-Trimethylbenzene	5.00	ND	4.52	4.66	90.4	93.2	1	26.0-154			3.05	27
1,2,3-Trimethylbenzene	5.00	ND	4.59	4.61	91.8	92.2	1	32.0-149			0.435	28
1,3,5-Trimethylbenzene	5.00	ND	4.70	4.72	94.0	94.4	1	28.0-153			0.425	27
Vinyl chloride	5.00	ND	5.85	5.68	117	114	1	10.0-160			2.95	27
Xylenes, Total	15.0	ND	14.3	14.6	95.3	97.3	1	29.0-154			2.08	28
(S) Toluene-d8					*102*	*104*		*80.0-120*				
(S) 4-Bromofluorobenzene					*103*	*105*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*100*	*101*		*70.0-130*				

Method Blank (MB)

(MB) R4115929-3 09/01/24 12:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
1,3-Butadiene	U		0.299	2.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00

Method Blank (MB)

(MB) R4115929-3 09/01/24 12:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dicyclopentadiene	U		0.253	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
4-Ethyltoluene	U		0.208	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
n-Hexane	U		0.749	10.0
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Propene	U		0.936	2.50
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115929-1 09/01/24 11:18 • (LCSD) R4115929-2 09/01/24 11:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	22.5	19.8	90.0	79.2	19.0-160			12.8	27
Acrolein	25.0	31.4	28.6	126	114	30.0-160			9.33	26
Acrylonitrile	25.0	29.1	27.8	116	111	55.0-149			4.57	20
Benzene	5.00	4.61	4.83	92.2	96.6	70.0-123			4.66	20
Bromobenzene	5.00	4.78	4.57	95.6	91.4	73.0-121			4.49	20
Bromodichloromethane	5.00	4.99	4.96	99.8	99.2	75.0-120			0.603	20
Bromoform	5.00	4.75	4.73	95.0	94.6	68.0-132			0.422	20
Bromomethane	5.00	2.76	3.89	55.2	77.8	30.0-160		R7	34.0	25
1,3-Butadiene	5.00	3.15	3.83	63.0	76.6	45.0-147			19.5	20
n-Butylbenzene	5.00	5.06	5.27	101	105	73.0-125			4.07	20
sec-Butylbenzene	5.00	5.28	5.28	106	106	75.0-125			0.000	20
tert-Butylbenzene	5.00	5.16	5.28	103	106	76.0-124			2.30	20
Carbon tetrachloride	5.00	4.87	5.03	97.4	101	68.0-126			3.23	20
Carbon disulfide	5.00	4.46	4.71	89.2	94.2	61.0-128			5.45	20
Chlorobenzene	5.00	4.94	5.12	98.8	102	80.0-121			3.58	20
Chlorodibromomethane	5.00	4.66	4.85	93.2	97.0	77.0-125			4.00	20
Chloroethane	5.00	4.50	4.72	90.0	94.4	47.0-150			4.77	20
Chloroform	5.00	5.02	5.24	100	105	73.0-120			4.29	20
Chloromethane	5.00	4.15	5.08	83.0	102	41.0-142		R7	20.2	20
Cyclohexane	5.00	4.56	4.63	91.2	92.6	71.0-124			1.52	20
2-Chlorotoluene	5.00	4.94	4.81	98.8	96.2	76.0-123			2.67	20
4-Chlorotoluene	5.00	4.87	4.82	97.4	96.4	75.0-122			1.03	20
1,2-Dibromo-3-Chloropropane	5.00	5.06	4.86	101	97.2	58.0-134			4.03	20
1,2-Dibromoethane	5.00	4.96	5.06	99.2	101	80.0-122			2.00	20
Dibromomethane	5.00	4.64	4.52	92.8	90.4	80.0-120			2.62	20
1,2-Dichlorobenzene	5.00	5.48	5.42	110	108	79.0-121			1.10	20
1,3-Dichlorobenzene	5.00	5.41	5.43	108	109	79.0-120			0.369	20
1,4-Dichlorobenzene	5.00	5.38	5.49	108	110	79.0-120			2.02	20
Dichlorodifluoromethane	5.00	6.00	6.31	120	126	51.0-149			5.04	20
1,1-Dichloroethane	5.00	4.89	5.17	97.8	103	70.0-126			5.57	20
1,2-Dichloroethane	5.00	5.21	5.35	104	107	70.0-128			2.65	20
1,1-Dichloroethene	5.00	4.49	4.66	89.8	93.2	71.0-124			3.72	20
cis-1,2-Dichloroethene	5.00	5.00	5.04	100	101	73.0-120			0.797	20
trans-1,2-Dichloroethene	5.00	4.48	4.75	89.6	95.0	73.0-120			5.85	20
1,2-Dichloropropane	5.00	5.00	5.03	100	101	77.0-125			0.598	20
1,1-Dichloropropene	5.00	4.83	5.33	96.6	107	74.0-126			9.84	20
1,3-Dichloropropane	5.00	4.76	4.67	95.2	93.4	80.0-120			1.91	20
cis-1,3-Dichloropropene	5.00	4.69	4.73	93.8	94.6	80.0-123			0.849	20
trans-1,3-Dichloropropene	5.00	4.75	4.80	95.0	96.0	78.0-124			1.05	20
2,2-Dichloropropane	5.00	4.93	5.02	98.6	100	58.0-130			1.81	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4115929-1 09/01/24 11:18 • (LCSD) R4115929-2 09/01/24 11:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	4.81	4.91	96.2	98.2	74.0-126			2.06	20
Di-isopropyl ether	5.00	5.52	5.55	110	111	58.0-138			0.542	20
Ethylbenzene	5.00	4.96	5.11	99.2	102	79.0-123			2.98	20
4-Ethyltoluene	5.00	4.98	4.98	99.6	99.6	74.0-127			0.000	20
Hexachloro-1,3-butadiene	5.00	5.31	5.59	106	112	54.0-138			5.14	20
n-Hexane	5.00	5.44	5.67	109	113	57.0-133			4.14	20
Isopropylbenzene	5.00	4.97	5.24	99.4	105	76.0-127			5.29	20
p-Isopropyltoluene	5.00	5.25	5.41	105	108	76.0-125			3.00	20
2-Butanone (MEK)	25.0	28.4	25.8	114	103	44.0-160			9.59	20
Methyl Cyclohexane	5.00	4.76	4.69	95.2	93.8	68.0-126			1.48	20
Methylene Chloride	5.00	4.44	1.94	88.8	38.8	67.0-120		L2 R7	78.4	20
4-Methyl-2-pentanone (MIBK)	25.0	30.4	29.3	122	117	68.0-142			3.69	20
Methyl tert-butyl ether	5.00	4.94	4.83	98.8	96.6	68.0-125			2.25	20
Naphthalene	5.00	5.33	5.53	107	111	54.0-135			3.68	20
Propene	5.00	4.19	5.23	83.8	105	30.0-160		R7	22.1	20
n-Propylbenzene	5.00	4.92	4.91	98.4	98.2	77.0-124			0.203	20
Styrene	5.00	4.56	4.71	91.2	94.2	73.0-130			3.24	20
1,1,1,2-Tetrachloroethane	5.00	4.94	4.99	98.8	99.8	75.0-125			1.01	20
1,1,2,2-Tetrachloroethane	5.00	5.13	4.73	103	94.6	65.0-130			8.11	20
1,1,2-Trichlorotrifluoroethane	5.00	5.48	6.03	110	121	69.0-132			9.56	20
Tetrachloroethene	5.00	5.42	5.65	108	113	72.0-132			4.16	20
Toluene	5.00	4.61	4.61	92.2	92.2	79.0-120			0.000	20
1,2,3-Trichlorobenzene	5.00	5.38	5.78	108	116	50.0-138			7.17	20
1,2,4-Trichlorobenzene	5.00	4.96	5.27	99.2	105	57.0-137			6.06	20
1,1,1-Trichloroethane	5.00	5.00	5.11	100	102	73.0-124			2.18	20
1,1,2-Trichloroethane	5.00	4.68	4.72	93.6	94.4	80.0-120			0.851	20
Trichloroethene	5.00	5.52	5.91	110	118	78.0-124			6.82	20
Trichlorofluoromethane	5.00	4.84	5.61	96.8	112	59.0-147			14.7	20
1,2,3-Trichloropropane	5.00	5.53	5.26	111	105	73.0-130			5.00	20
1,2,4-Trimethylbenzene	5.00	4.88	4.98	97.6	99.6	76.0-121			2.03	20
1,2,3-Trimethylbenzene	5.00	5.02	5.05	100	101	77.0-120			0.596	20
1,3,5-Trimethylbenzene	5.00	5.20	5.19	104	104	76.0-122			0.192	20
Vinyl chloride	5.00	4.16	4.63	83.2	92.6	67.0-131			10.7	20
Xylenes, Total	15.0	15.2	15.6	101	104	79.0-123			2.60	20
(S) Toluene-d8				*105*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.9*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R4116831-3 09/03/24 05:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
1,3-Butadiene	U		0.299	2.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00

Method Blank (MB)

(MB) R4116831-3 09/03/24 05:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dicyclopentadiene	U		0.253	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
4-Ethyltoluene	U		0.208	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
n-Hexane	U		0.749	10.0
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Propene	U		0.936	2.50
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116831-1 09/03/24 04:12 • (LCSD) R4116831-2 09/03/24 04:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	33.4	34.5	134	138	19.0-160			3.24	27
Acrolein	25.0	47.8	41.4	191	166	30.0-160	L1	L1	14.3	26
Acrylonitrile	25.0	37.6	36.9	150	148	55.0-149	L1		1.88	20
Benzene	5.00	4.65	4.69	93.0	93.8	70.0-123			0.857	20
Bromobenzene	5.00	4.28	4.47	85.6	89.4	73.0-121			4.34	20
Bromodichloromethane	5.00	5.12	5.15	102	103	75.0-120			0.584	20
Bromoform	5.00	4.59	4.79	91.8	95.8	68.0-132			4.26	20
Bromomethane	5.00	2.89	3.59	57.8	71.8	30.0-160			21.6	25
1,3-Butadiene	5.00	4.45	4.72	89.0	94.4	45.0-147			5.89	20
n-Butylbenzene	5.00	4.73	5.05	94.6	101	73.0-125			6.54	20
sec-Butylbenzene	5.00	4.82	5.20	96.4	104	75.0-125			7.58	20
tert-Butylbenzene	5.00	4.97	5.15	99.4	103	76.0-124			3.56	20
Carbon tetrachloride	5.00	5.51	5.34	110	107	68.0-126			3.13	20
Carbon disulfide	5.00	4.28	4.34	85.6	86.8	61.0-128			1.39	20
Chlorobenzene	5.00	4.75	4.69	95.0	93.8	80.0-121			1.27	20
Chlorodibromomethane	5.00	4.89	4.77	97.8	95.4	77.0-125			2.48	20
Chloroethane	5.00	4.50	4.46	90.0	89.2	47.0-150			0.893	20
Chloroform	5.00	5.15	5.07	103	101	73.0-120			1.57	20
Chloromethane	5.00	4.65	4.97	93.0	99.4	41.0-142			6.65	20
Cyclohexane	5.00	4.47	4.40	89.4	88.0	71.0-124			1.58	20
2-Chlorotoluene	5.00	4.68	4.60	93.6	92.0	76.0-123			1.72	20
4-Chlorotoluene	5.00	4.54	4.62	90.8	92.4	75.0-122			1.75	20
1,2-Dibromo-3-Chloropropane	5.00	5.24	5.21	105	104	58.0-134			0.574	20
1,2-Dibromoethane	5.00	4.80	4.98	96.0	99.6	80.0-122			3.68	20
Dibromomethane	5.00	4.89	4.63	97.8	92.6	80.0-120			5.46	20
1,2-Dichlorobenzene	5.00	5.16	5.40	103	108	79.0-121			4.55	20
1,3-Dichlorobenzene	5.00	5.08	5.23	102	105	79.0-120			2.91	20
1,4-Dichlorobenzene	5.00	5.19	5.31	104	106	79.0-120			2.29	20
Dichlorodifluoromethane	5.00	6.11	6.11	122	122	51.0-149			0.000	20
1,1-Dichloroethane	5.00	5.26	5.25	105	105	70.0-126			0.190	20
1,2-Dichloroethane	5.00	5.67	5.53	113	111	70.0-128			2.50	20
1,1-Dichloroethene	5.00	4.66	4.48	93.2	89.6	71.0-124			3.94	20
cis-1,2-Dichloroethene	5.00	4.95	4.78	99.0	95.6	73.0-120			3.49	20
trans-1,2-Dichloroethene	5.00	4.84	4.57	96.8	91.4	73.0-120			5.74	20
1,2-Dichloropropane	5.00	4.99	5.27	99.8	105	77.0-125			5.46	20
1,1-Dichloropropene	5.00	4.95	4.68	99.0	93.6	74.0-126			5.61	20
1,3-Dichloropropane	5.00	4.70	4.61	94.0	92.2	80.0-120			1.93	20
cis-1,3-Dichloropropene	5.00	4.47	4.43	89.4	88.6	80.0-123			0.899	20
trans-1,3-Dichloropropene	5.00	4.50	4.65	90.0	93.0	78.0-124			3.28	20
2,2-Dichloropropane	5.00	5.11	5.07	102	101	58.0-130			0.786	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116831-1 09/03/24 04:12 • (LCSD) R4116831-2 09/03/24 04:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	4.62	4.69	92.4	93.8	74.0-126			1.50	20
Di-isopropyl ether	5.00	5.92	5.81	118	116	58.0-138			1.88	20
Ethylbenzene	5.00	4.90	5.20	98.0	104	79.0-123			5.94	20
4-Ethyltoluene	5.00	4.65	4.92	93.0	98.4	74.0-127			5.64	20
Hexachloro-1,3-butadiene	5.00	5.22	5.24	104	105	54.0-138			0.382	20
n-Hexane	5.00	5.02	4.85	100	97.0	57.0-133			3.44	20
Isopropylbenzene	5.00	4.92	4.90	98.4	98.0	76.0-127			0.407	20
p-Isopropyltoluene	5.00	5.02	5.36	100	107	76.0-125			6.55	20
2-Butanone (MEK)	25.0	36.5	36.2	146	145	44.0-160			0.825	20
Methyl Cyclohexane	5.00	4.47	4.37	89.4	87.4	68.0-126			2.26	20
Methylene Chloride	5.00	4.57	4.53	91.4	90.6	67.0-120			0.879	20
4-Methyl-2-pentanone (MIBK)	25.0	32.8	33.3	131	133	68.0-142			1.51	20
Methyl tert-butyl ether	5.00	5.15	5.36	103	107	68.0-125			4.00	20
Naphthalene	5.00	4.98	5.32	99.6	106	54.0-135			6.60	20
Propene	5.00	4.72	4.78	94.4	95.6	30.0-160			1.26	20
n-Propylbenzene	5.00	4.54	4.71	90.8	94.2	77.0-124			3.68	20
Styrene	5.00	4.51	4.41	90.2	88.2	73.0-130			2.24	20
1,1,1,2-Tetrachloroethane	5.00	5.09	5.03	102	101	75.0-125			1.19	20
1,1,2,2-Tetrachloroethane	5.00	4.51	4.60	90.2	92.0	65.0-130			1.98	20
1,1,2-Trichlorotrifluoroethane	5.00	5.61	5.81	112	116	69.0-132			3.50	20
Tetrachloroethene	5.00	5.43	5.60	109	112	72.0-132			3.08	20
Toluene	5.00	4.50	4.52	90.0	90.4	79.0-120			0.443	20
1,2,3-Trichlorobenzene	5.00	5.68	5.52	114	110	50.0-138			2.86	20
1,2,4-Trichlorobenzene	5.00	5.07	5.16	101	103	57.0-137			1.76	20
1,1,1-Trichloroethane	5.00	5.28	5.25	106	105	73.0-124			0.570	20
1,1,2-Trichloroethane	5.00	4.31	4.61	86.2	92.2	80.0-120			6.73	20
Trichloroethene	5.00	5.71	5.66	114	113	78.0-124			0.880	20
Trichlorofluoromethane	5.00	4.90	5.32	98.0	106	59.0-147			8.22	20
1,2,3-Trichloropropane	5.00	5.19	5.30	104	106	73.0-130			2.10	20
1,2,4-Trimethylbenzene	5.00	4.61	4.77	92.2	95.4	76.0-121			3.41	20
1,2,3-Trimethylbenzene	5.00	4.84	4.88	96.8	97.6	77.0-120			0.823	20
1,3,5-Trimethylbenzene	5.00	4.79	5.10	95.8	102	76.0-122			6.27	20
Vinyl chloride	5.00	4.44	4.28	88.8	85.6	67.0-131			3.67	20
Xylenes, Total	15.0	14.7	15.3	98.0	102	79.0-123			4.00	20
(S) Toluene-d8				*99.9*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.3*	*98.9*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*111*	*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

L1772628-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-27 09/03/24 07:05 • (MS) R4116831-4 09/03/24 11:53 • (MSD) R4116831-5 09/03/24 12:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	ND	ND	ND	164	168	1	10.0-160	M1	M1	2.17	35
Acrolein	25.0	ND	92.3	103	369	412	1	10.0-160	M1	M1	11.0	39
Acrylonitrile	25.0	ND	37.3	37.1	149	148	1	21.0-160			0.538	32
Benzene	5.00	ND	4.01	4.03	80.2	80.6	1	17.0-158			0.498	27
Bromobenzene	5.00	ND	4.43	4.47	88.6	89.4	1	30.0-149			0.899	28
Bromodichloromethane	5.00	ND	5.52	5.21	110	104	1	31.0-150			5.78	27
Bromoform	5.00	ND	4.71	5.07	94.2	101	1	29.0-150			7.36	29
Bromomethane	5.00	ND	ND	ND	24.8	36.2	1	10.0-160			37.4	38
1,3-Butadiene	5.00	ND	2.73	2.62	54.6	52.4	1	10.0-160			4.11	22
n-Butylbenzene	5.00	ND	4.70	5.06	94.0	101	1	31.0-150			7.38	30
sec-Butylbenzene	5.00	ND	4.90	5.47	98.0	109	1	33.0-155			11.0	29
tert-Butylbenzene	5.00	ND	5.08	5.25	102	105	1	34.0-153			3.29	28
Carbon tetrachloride	5.00	ND	5.32	5.23	106	105	1	23.0-159			1.71	28
Carbon disulfide	5.00	ND	1.87	1.75	37.4	35.0	1	10.0-156			6.63	28
Chlorobenzene	5.00	ND	4.56	4.78	91.2	95.6	1	33.0-152			4.71	27
Chlorodibromomethane	5.00	ND	5.08	5.16	102	103	1	37.0-149			1.56	27
Chloroethane	5.00	ND	ND	ND	60.2	66.2	1	10.0-160			9.49	30
Chloroform	5.00	ND	5.22	5.14	104	103	1	29.0-154			1.54	28
Chloromethane	5.00	ND	ND	2.87	49.0	57.4	1	10.0-160			15.8	29
Cyclohexane	5.00	ND	3.00	2.90	60.0	58.0	1	19.0-160			3.39	23
2-Chlorotoluene	5.00	ND	4.77	4.92	95.4	98.4	1	32.0-153			3.10	28
4-Chlorotoluene	5.00	ND	4.46	4.82	89.2	96.4	1	32.0-150			7.76	28
1,2-Dibromo-3-Chloropropane	5.00	ND	5.30	5.20	106	104	1	22.0-151			1.90	34
1,2-Dibromoethane	5.00	ND	4.60	4.81	92.0	96.2	1	34.0-147			4.46	27
Dibromomethane	5.00	ND	4.84	4.51	96.8	90.2	1	30.0-151			7.06	27
1,2-Dichlorobenzene	5.00	ND	5.37	5.60	107	112	1	34.0-149			4.19	28
1,3-Dichlorobenzene	5.00	ND	5.22	5.41	104	108	1	36.0-146			3.57	27
1,4-Dichlorobenzene	5.00	ND	5.02	5.53	100	111	1	35.0-142			9.67	27
Dichlorodifluoromethane	5.00	ND	ND	ND	84.2	93.8	1	10.0-160			10.8	29
1,1-Dichloroethane	5.00	ND	4.97	4.96	99.4	99.2	1	25.0-158			0.201	27
1,2-Dichloroethane	5.00	ND	5.54	5.60	111	112	1	29.0-151			1.08	27
1,1-Dichloroethene	5.00	ND	3.71	3.44	74.2	68.8	1	11.0-160			7.55	29
cis-1,2-Dichloroethene	5.00	ND	4.87	4.77	94.3	92.3	1	10.0-160			2.07	27
trans-1,2-Dichloroethene	5.00	ND	3.41	3.39	68.2	67.8	1	17.0-153			0.588	27
1,2-Dichloropropane	5.00	ND	4.70	4.96	94.0	99.2	1	30.0-156			5.38	27
1,1-Dichloropropene	5.00	ND	3.97	3.96	79.4	79.2	1	25.0-158			0.252	27
1,3-Dichloropropane	5.00	ND	4.38	4.66	87.6	93.2	1	38.0-147			6.19	27
cis-1,3-Dichloropropene	5.00	ND	3.87	3.83	77.4	76.6	1	34.0-149			1.04	28
trans-1,3-Dichloropropene	5.00	ND	4.11	4.33	82.2	86.6	1	32.0-149			5.21	28
2,2-Dichloropropane	5.00	ND	4.79	4.54	95.8	90.8	1	24.0-152			5.36	29

L1772628-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-27 09/03/24 07:05 • (MS) R4116831-4 09/03/24 11:53 • (MSD) R4116831-5 09/03/24 12:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	ND	4.35	4.55	87.0	91.0	1	51.0-139			4.49	20
Di-isopropyl ether	5.00	ND	6.13	5.88	123	118	1	21.0-160			4.16	28
Ethylbenzene	5.00	ND	4.65	4.74	93.0	94.8	1	30.0-155			1.92	27
4-Ethyltoluene	5.00	ND	4.58	4.78	91.6	95.6	1	10.0-160			4.27	20
Hexachloro-1,3-butadiene	5.00	ND	5.39	5.74	108	115	1	20.0-154			6.29	34
n-Hexane	5.00	ND	ND	ND	59.6	57.6	1	10.0-153			3.41	28
Isopropylbenzene	5.00	ND	4.76	5.01	95.2	100	1	28.0-157			5.12	27
p-Isopropyltoluene	5.00	ND	4.89	5.34	97.8	107	1	30.0-154			8.80	29
2-Butanone (MEK)	25.0	ND	34.9	33.3	140	133	1	10.0-160			4.69	32
Methyl Cyclohexane	5.00	ND	2.92	2.88	58.4	57.6	1	11.0-160			1.38	24
Methylene Chloride	5.00	ND	ND	ND	76.0	77.4	1	23.0-144			1.83	28
4-Methyl-2-pentanone (MIBK)	25.0	ND	34.7	35.2	139	141	1	29.0-160			1.43	29
Methyl tert-butyl ether	5.00	ND	5.46	5.23	109	105	1	28.0-150			4.30	29
Naphthalene	5.00	ND	ND	5.53	98.4	111	1	12.0-156			11.7	35
Propene	5.00	ND	3.50	3.88	70.0	77.6	1	10.0-160			10.3	29
n-Propylbenzene	5.00	ND	4.46	4.74	89.2	94.8	1	31.0-154			6.09	28
Styrene	5.00	ND	4.36	4.30	87.2	86.0	1	33.0-155			1.39	28
1,1,1,2-Tetrachloroethane	5.00	ND	5.32	5.33	106	107	1	36.0-151			0.188	29
1,1,2,2-Tetrachloroethane	5.00	ND	5.05	5.23	101	105	1	33.0-150			3.50	28
1,1,2-Trichlorotrifluoroethane	5.00	ND	5.36	5.24	107	105	1	23.0-160			2.26	30
Tetrachloroethene	5.00	ND	4.41	4.73	88.2	94.6	1	10.0-160			7.00	27
Toluene	5.00	ND	3.97	3.96	79.4	79.2	1	26.0-154			0.252	28
1,2,3-Trichlorobenzene	5.00	ND	5.59	5.93	112	119	1	17.0-150			5.90	36
1,2,4-Trichlorobenzene	5.00	ND	4.88	5.23	97.6	105	1	24.0-150			6.92	33
1,1,1-Trichloroethane	5.00	ND	5.32	5.37	106	107	1	23.0-160			0.935	28
1,1,2-Trichloroethane	5.00	ND	4.69	4.88	93.8	97.6	1	35.0-147			3.97	27
Trichloroethene	5.00	2.78	7.71	7.62	98.6	96.8	1	10.0-160			1.17	25
Trichlorofluoromethane	5.00	ND	ND	5.10	93.8	102	1	17.0-160			8.38	31
1,2,3-Trichloropropane	5.00	ND	5.60	5.89	112	118	1	34.0-151			5.05	29
1,2,4-Trimethylbenzene	5.00	ND	4.52	4.65	90.4	93.0	1	26.0-154			2.84	27
1,2,3-Trimethylbenzene	5.00	ND	4.82	4.91	96.4	98.2	1	32.0-149			1.85	28
1,3,5-Trimethylbenzene	5.00	ND	4.76	5.05	95.2	101	1	28.0-153			5.91	27
Vinyl chloride	5.00	ND	3.02	3.20	60.4	64.0	1	10.0-160			5.79	27
Xylenes, Total	15.0	ND	13.4	14.4	89.3	96.0	1	29.0-154			7.19	28
(S) Toluene-d8					*99.5*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*97.8*	*101*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*124*	*120*		*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4116058-3 09/04/24 19:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
1,3-Butadiene	U		0.299	2.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00

Method Blank (MB)

(MB) R4116058-3 09/04/24 19:09

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dicyclopentadiene	U		0.253	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
4-Ethyltoluene	U		0.208	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
n-Hexane	U		0.749	10.0
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Propene	U		0.936	2.50
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

QUALITY CONTROL SUMMARY

L1772628-02,03,06,11

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116058-1 09/04/24 17:27 • (LCSD) R4116058-2 09/04/24 18:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	26.1	28.0	104	112	19.0-160			7.02	27
Acrolein	25.0	12.4	14.8	49.6	59.2	30.0-160			17.6	26
Acrylonitrile	25.0	25.4	28.0	102	112	55.0-149			9.74	20
Benzene	5.00	4.96	5.18	99.2	104	70.0-123			4.34	20
Bromobenzene	5.00	4.21	4.81	84.2	96.2	73.0-121			13.3	20
Bromodichloromethane	5.00	5.37	5.41	107	108	75.0-120			0.742	20
Bromoform	5.00	4.45	4.76	89.0	95.2	68.0-132			6.73	20
Bromomethane	5.00	3.81	5.10	76.2	102	30.0-160		R7	29.0	25
1,3-Butadiene	5.00	3.94	4.48	78.8	89.6	45.0-147			12.8	20
n-Butylbenzene	5.00	4.29	4.77	85.8	95.4	73.0-125			10.6	20
sec-Butylbenzene	5.00	4.14	4.82	82.8	96.4	75.0-125			15.2	20
tert-Butylbenzene	5.00	4.23	4.80	84.6	96.0	76.0-124			12.6	20
Carbon tetrachloride	5.00	4.32	4.64	86.4	92.8	68.0-126			7.14	20
Carbon disulfide	5.00	4.75	5.31	95.0	106	61.0-128			11.1	20
Chlorobenzene	5.00	4.77	5.32	95.4	106	80.0-121			10.9	20
Chlorodibromomethane	5.00	4.71	5.33	94.2	107	77.0-125			12.4	20
Chloroethane	5.00	6.52	7.32	130	146	47.0-150			11.6	20
Chloroform	5.00	5.18	5.54	104	111	73.0-120			6.72	20
Chloromethane	5.00	4.75	4.93	95.0	98.6	41.0-142			3.72	20
Cyclohexane	5.00	4.50	5.45	90.0	109	71.0-124			19.1	20
2-Chlorotoluene	5.00	4.46	4.86	89.2	97.2	76.0-123			8.58	20
4-Chlorotoluene	5.00	4.30	4.75	86.0	95.0	75.0-122			9.94	20
1,2-Dibromo-3-Chloropropane	5.00	4.74	5.24	94.8	105	58.0-134			10.0	20
1,2-Dibromoethane	5.00	4.70	5.36	94.0	107	80.0-122			13.1	20
Dibromomethane	5.00	5.14	5.57	103	111	80.0-120			8.03	20
1,2-Dichlorobenzene	5.00	4.61	5.06	92.2	101	79.0-121			9.31	20
1,3-Dichlorobenzene	5.00	4.64	5.35	92.8	107	79.0-120			14.2	20
1,4-Dichlorobenzene	5.00	4.34	4.75	86.8	95.0	79.0-120			9.02	20
Dichlorodifluoromethane	5.00	5.43	6.35	109	127	51.0-149			15.6	20
1,1-Dichloroethane	5.00	5.13	5.46	103	109	70.0-126			6.23	20
1,2-Dichloroethane	5.00	5.54	6.11	111	122	70.0-128			9.79	20
1,1-Dichloroethene	5.00	5.25	5.51	105	110	71.0-124			4.83	20
cis-1,2-Dichloroethene	5.00	4.73	5.14	94.6	103	73.0-120			8.31	20
trans-1,2-Dichloroethene	5.00	4.84	5.20	96.8	104	73.0-120			7.17	20
1,2-Dichloropropane	5.00	4.62	5.01	92.4	100	77.0-125			8.10	20
1,1-Dichloropropene	5.00	4.88	5.39	97.6	108	74.0-126			9.93	20
1,3-Dichloropropane	5.00	4.75	5.39	95.0	108	80.0-120			12.6	20
cis-1,3-Dichloropropene	5.00	4.66	5.02	93.2	100	80.0-123			7.44	20
trans-1,3-Dichloropropene	5.00	4.82	5.58	96.4	112	78.0-124			14.6	20
2,2-Dichloropropane	5.00	5.71	6.00	114	120	58.0-130			4.95	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116058-1 09/04/24 17:27 • (LCSD) R4116058-2 09/04/24 18:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	4.06	4.52	81.2	90.4	74.0-126			10.7	20
Di-isopropyl ether	5.00	4.11	4.59	82.2	91.8	58.0-138			11.0	20
Ethylbenzene	5.00	4.77	5.25	95.4	105	79.0-123			9.58	20
4-Ethyltoluene	5.00	4.10	4.63	82.0	92.6	74.0-127			12.1	20
Hexachloro-1,3-butadiene	5.00	5.29	5.87	106	117	54.0-138			10.4	20
n-Hexane	5.00	4.62	5.85	92.4	117	57.0-133		R7	23.5	20
Isopropylbenzene	5.00	4.64	5.10	92.8	102	76.0-127			9.45	20
p-Isopropyltoluene	5.00	4.33	4.81	86.6	96.2	76.0-125			10.5	20
2-Butanone (MEK)	25.0	22.8	25.2	91.2	101	44.0-160			10.0	20
Methyl Cyclohexane	5.00	4.32	5.12	86.4	102	68.0-126			16.9	20
Methylene Chloride	5.00	4.92	4.99	98.4	99.8	67.0-120			1.41	20
4-Methyl-2-pentanone (MIBK)	25.0	21.9	25.2	87.6	101	68.0-142			14.0	20
Methyl tert-butyl ether	5.00	4.99	5.33	99.8	107	68.0-125			6.59	20
Naphthalene	5.00	3.66	3.95	73.2	79.0	54.0-135			7.62	20
Propene	5.00	2.45	2.84	49.0	56.8	30.0-160			14.7	20
n-Propylbenzene	5.00	4.00	4.49	80.0	89.8	77.0-124			11.5	20
Styrene	5.00	4.57	5.12	91.4	102	73.0-130			11.4	20
1,1,1,2-Tetrachloroethane	5.00	4.95	5.45	99.0	109	75.0-125			9.62	20
1,1,2,2-Tetrachloroethane	5.00	4.34	4.68	86.8	93.6	65.0-130			7.54	20
1,1,2-Trichlorotrifluoroethane	5.00	4.70	5.71	94.0	114	69.0-132			19.4	20
Tetrachloroethene	5.00	5.58	6.05	112	121	72.0-132			8.08	20
Toluene	5.00	4.53	5.00	90.6	100	79.0-120			9.86	20
1,2,3-Trichlorobenzene	5.00	3.30	3.59	66.0	71.8	50.0-138			8.42	20
1,2,4-Trichlorobenzene	5.00	4.19	4.89	83.8	97.8	57.0-137			15.4	20
1,1,1-Trichloroethane	5.00	5.37	5.80	107	116	73.0-124			7.70	20
1,1,2-Trichloroethane	5.00	4.62	5.50	92.4	110	80.0-120			17.4	20
Trichloroethene	5.00	5.27	5.62	105	112	78.0-124			6.43	20
Trichlorofluoromethane	5.00	6.25	6.92	125	138	59.0-147			10.2	20
1,2,3-Trichloropropane	5.00	4.40	5.40	88.0	108	73.0-130		R7	20.4	20
1,2,4-Trimethylbenzene	5.00	4.27	4.54	85.4	90.8	76.0-121			6.13	20
1,2,3-Trimethylbenzene	5.00	4.29	4.79	85.8	95.8	77.0-120			11.0	20
1,3,5-Trimethylbenzene	5.00	4.44	4.88	88.8	97.6	76.0-122			9.44	20
Vinyl chloride	5.00	5.31	5.72	106	114	67.0-131			7.43	20
Xylenes, Total	15.0	13.7	15.3	91.3	102	79.0-123			11.0	20
(S) Toluene-d8				*93.9*	*97.7*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.1*	*93.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*116*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R4116397-4 09/05/24 16:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
1,3-Butadiene	U		0.299	2.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Carbon disulfide	U		0.0962	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00

Method Blank (MB)

(MB) R4116397-4 09/05/24 16:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dicyclopentadiene	U		0.253	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
4-Ethyltoluene	U		0.208	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
n-Hexane	U		0.749	10.0
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Propene	U		0.936	2.50
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

QUALITY CONTROL SUMMARY

L1772628-19,20,24,25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116397-1 09/05/24 14:43 • (LCSD) R4116397-3 09/05/24 15:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	27.7	28.6	111	114	19.0-160			3.20	27
Acrolein	25.0	12.5	13.3	50.0	53.2	30.0-160			6.20	26
Acrylonitrile	25.0	27.8	27.5	111	110	55.0-149			1.08	20
Benzene	5.00	5.16	5.22	103	104	70.0-123			1.16	20
Bromobenzene	5.00	4.58	4.57	91.6	91.4	73.0-121			0.219	20
Bromodichloromethane	5.00	5.39	5.52	108	110	75.0-120			2.38	20
Bromoform	5.00	4.92	4.94	98.4	98.8	68.0-132			0.406	20
Bromomethane	5.00	4.56	4.93	91.2	98.6	30.0-160			7.80	25
1,3-Butadiene	5.00	4.03	4.02	80.6	80.4	45.0-147			0.248	20
n-Butylbenzene	5.00	4.26	4.55	85.2	91.0	73.0-125			6.58	20
sec-Butylbenzene	5.00	4.38	4.54	87.6	90.8	75.0-125			3.59	20
tert-Butylbenzene	5.00	4.63	4.75	92.6	95.0	76.0-124			2.56	20
Carbon tetrachloride	5.00	4.86	4.93	97.2	98.6	68.0-126			1.43	20
Carbon disulfide	5.00	4.92	4.75	98.4	95.0	61.0-128			3.52	20
Chlorobenzene	5.00	5.31	5.54	106	111	80.0-121			4.24	20
Chlorodibromomethane	5.00	5.03	5.45	101	109	77.0-125			8.02	20
Chloroethane	5.00	7.20	6.64	144	133	47.0-150			8.09	20
Chloroform	5.00	5.52	5.80	110	116	73.0-120			4.95	20
Chloromethane	5.00	4.99	4.89	99.8	97.8	41.0-142			2.02	20
Cyclohexane	5.00	4.86	5.19	97.2	104	71.0-124			6.57	20
2-Chlorotoluene	5.00	4.65	4.82	93.0	96.4	76.0-123			3.59	20
4-Chlorotoluene	5.00	4.49	4.48	89.8	89.6	75.0-122			0.223	20
1,2-Dibromo-3-Chloropropane	5.00	4.46	4.85	89.2	97.0	58.0-134			8.38	20
1,2-Dibromoethane	5.00	5.36	5.35	107	107	80.0-122			0.187	20
Dibromomethane	5.00	5.71	5.64	114	113	80.0-120			1.23	20
1,2-Dichlorobenzene	5.00	4.88	4.92	97.6	98.4	79.0-121			0.816	20
1,3-Dichlorobenzene	5.00	4.89	4.95	97.8	99.0	79.0-120			1.22	20
1,4-Dichlorobenzene	5.00	4.49	4.73	89.8	94.6	79.0-120			5.21	20
Dichlorodifluoromethane	5.00	5.74	6.03	115	121	51.0-149			4.93	20
1,1-Dichloroethane	5.00	5.43	5.61	109	112	70.0-126			3.26	20
1,2-Dichloroethane	5.00	5.92	5.87	118	117	70.0-128			0.848	20
1,1-Dichloroethene	5.00	5.40	5.56	108	111	71.0-124			2.92	20
cis-1,2-Dichloroethene	5.00	5.11	4.88	102	97.6	73.0-120			4.60	20
trans-1,2-Dichloroethene	5.00	5.09	5.19	102	104	73.0-120			1.95	20
1,2-Dichloropropane	5.00	5.05	5.06	101	101	77.0-125			0.198	20
1,1-Dichloropropene	5.00	5.15	5.19	103	104	74.0-126			0.774	20
1,3-Dichloropropane	5.00	5.26	5.36	105	107	80.0-120			1.88	20
cis-1,3-Dichloropropene	5.00	4.93	5.26	98.6	105	80.0-123			6.48	20
trans-1,3-Dichloropropene	5.00	5.35	5.52	107	110	78.0-124			3.13	20
2,2-Dichloropropane	5.00	5.40	6.07	108	121	58.0-130			11.7	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116397-1 09/05/24 14:43 • (LCSD) R4116397-3 09/05/24 15:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dicyclopentadiene	5.00	4.32	4.32	86.4	86.4	74.0-126			0.000	20
Di-isopropyl ether	5.00	4.56	4.56	91.2	91.2	58.0-138			0.000	20
Ethylbenzene	5.00	4.97	5.32	99.4	106	79.0-123			6.80	20
4-Ethyltoluene	5.00	4.49	4.32	89.8	86.4	74.0-127			3.86	20
Hexachloro-1,3-butadiene	5.00	5.68	5.53	114	111	54.0-138			2.68	20
n-Hexane	5.00	4.47	5.43	89.4	109	57.0-133			19.4	20
Isopropylbenzene	5.00	5.16	5.32	103	106	76.0-127			3.05	20
p-Isopropyltoluene	5.00	4.52	4.43	90.4	88.6	76.0-125			2.01	20
2-Butanone (MEK)	25.0	25.1	25.2	100	101	44.0-160			0.398	20
Methyl Cyclohexane	5.00	4.65	4.62	93.0	92.4	68.0-126			0.647	20
Methylene Chloride	5.00	5.14	4.99	103	99.8	67.0-120			2.96	20
4-Methyl-2-pentanone (MIBK)	25.0	23.7	25.1	94.8	100	68.0-142			5.74	20
Methyl tert-butyl ether	5.00	5.38	5.56	108	111	68.0-125			3.29	20
Naphthalene	5.00	3.97	3.90	79.4	78.0	54.0-135			1.78	20
Propene	5.00	2.26	2.52	45.2	50.4	30.0-160			10.9	20
n-Propylbenzene	5.00	4.31	4.33	86.2	86.6	77.0-124			0.463	20
Styrene	5.00	4.94	5.05	98.8	101	73.0-130			2.20	20
1,1,1,2-Tetrachloroethane	5.00	5.40	5.64	108	113	75.0-125			4.35	20
1,1,2,2-Tetrachloroethane	5.00	4.23	4.43	84.6	88.6	65.0-130			4.62	20
1,1,2-Trichlorotrifluoroethane	5.00	4.96	5.44	99.2	109	69.0-132			9.23	20
Tetrachloroethene	5.00	5.59	6.08	112	122	72.0-132			8.40	20
Toluene	5.00	4.80	4.99	96.0	99.8	79.0-120			3.88	20
1,2,3-Trichlorobenzene	5.00	3.57	3.37	71.4	67.4	50.0-138			5.76	20
1,2,4-Trichlorobenzene	5.00	4.59	4.76	91.8	95.2	57.0-137			3.64	20
1,1,1-Trichloroethane	5.00	5.77	6.07	115	121	73.0-124			5.07	20
1,1,2-Trichloroethane	5.00	5.30	5.35	106	107	80.0-120			0.939	20
Trichloroethene	5.00	5.59	5.72	112	114	78.0-124			2.30	20
Trichlorofluoromethane	5.00	6.12	6.62	122	132	59.0-147			7.85	20
1,2,3-Trichloropropane	5.00	4.65	5.31	93.0	106	73.0-130			13.3	20
1,2,4-Trimethylbenzene	5.00	4.45	4.51	89.0	90.2	76.0-121			1.34	20
1,2,3-Trimethylbenzene	5.00	4.60	4.71	92.0	94.2	77.0-120			2.36	20
1,3,5-Trimethylbenzene	5.00	4.75	4.66	95.0	93.2	76.0-122			1.91	20
Vinyl chloride	5.00	5.48	5.52	110	110	67.0-131			0.727	20
Xylenes, Total	15.0	14.9	15.7	99.3	105	79.0-123			5.23	20
(S) Toluene-d8				*92.1*	*97.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.7*	*97.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*114*	*70.0-130*				

Method Blank (MB)

(MB) R4116400-4 09/05/24 16:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Trichloroethene	U		0.190	1.00
(S) Toluene-d8	*97.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116400-1 09/05/24 14:43 • (LCSD) R4116400-3 09/05/24 15:44

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Trichloroethene	5.00	5.59	5.72	112	114	78.0-124			2.30	20
(S) Toluene-d8				*92.1*	*97.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*91.7*	*97.2*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*114*	*70.0-130*				

Method Blank (MB)

(MB) R4116067-3 09/04/24 12:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	U		0.597	3.00
(S) Toluene-d8	*99.2*			*77.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116067-1 09/04/24 11:21 • (LCSD) R4116067-2 09/04/24 11:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	50.0	39.2	39.4	78.4	78.8	55.0-138			0.509	24
(S) Toluene-d8				*99.5*	*99.7*	*77.0-127*				

Method Blank (MB)

(MB) R4117239-2 09/05/24 11:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
1,4-Dioxane	U		0.597	3.00
(S) Toluene-d8	*99.1*			*77.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4117239-1 09/05/24 10:31 • (LCSD) R4117239-3 09/05/24 11:37

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,4-Dioxane	50.0	42.5	39.6	85.0	79.2	55.0-138			7.06	24
(S) Toluene-d8				*99.4*	*99.0*	*77.0-127*				

L1772628-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-11 09/05/24 17:31 • (MS) R4117239-4 09/05/24 21:55 • (MSD) R4117239-5 09/05/24 22:17

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
1,4-Dioxane	50.0	16.9	54.0	43.5	74.2	53.2	1	13.0-160			21.5	31
(S) Toluene-d8					*99.1*	*99.5*		*77.0-127*				

Method Blank (MB)

(MB) R4116977-3 09/06/24 20:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
1,4-Dioxane	U		0.597	3.00
(S) Toluene-d8	*98.8*			*77.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4116977-1 09/06/24 18:50 • (LCSD) R4116977-2 09/06/24 19:16

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,4-Dioxane	50.0	47.6	57.8	95.2	116	55.0-138			19.4	24
(S) Toluene-d8				*99.2*	*99.0*	*77.0-127*				

L1772628-27 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1772628-27 09/07/24 01:06 • (MS) R4116977-4 09/07/24 02:12 • (MSD) R4116977-5 09/07/24 02:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
1,4-Dioxane	50.0	3.24	52.2	54.3	97.9	102	1	13.0-160			3.94	31
(S) Toluene-d8					*99.1*	*98.9*		*77.0-127*				

Method Blank (MB)

(MB) R4117107-3 09/07/24 12:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	U		0.597	3.00
(S) Toluene-d8	*98.6*			*77.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4117107-1 09/07/24 11:37 • (LCSD) R4117107-2 09/07/24 11:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	50.0	46.8	44.8	93.6	89.6	55.0-138			4.37	24
(S) Toluene-d8				*98.5*	*97.9*	*77.0-127*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Is
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R4117262-3 09/09/24 11:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
1,4-Dioxane	U		0.597	3.00
(S) Toluene-d8	*99.2*			*77.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4117262-1 09/09/24 10:15 • (LCSD) R4117262-2 09/09/24 10:37

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,4-Dioxane	50.0	54.1	52.9	108	106	55.0-138			2.24	24
(S) Toluene-d8				*99.4*	*99.3*	*77.0-127*				

Method Blank (MB)

(MB) R4117919-3 09/09/24 11:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	U		0.597	3.00
(S) Toluene-d8	*99.2*			*77.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4117919-1 09/09/24 10:15 • (LCSD) R4117919-2 09/09/24 10:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	50.0	54.1	52.9	108	106	55.0-138			2.24	24
(S) Toluene-d8				*99.4*	*99.3*	*77.0-127*				

INTERNAL STANDARD SUMMARY

Instrument: VOCMS20 • File ID: 0904_30

09/04/24 17:27

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
Standard	0904_30	306588	138483	135201
Upper Limit		613176	276966	270402
Lower Limit		153294	69242	67601
LCS R4116058-1 WG2355991 1x	0904_30LCSB	306588	138483	135201
LCSD R4116058-2 WG2355991 1x	0904_34B	267197	118081	114546
BLANK R4116058-3 WG2355991 1x	0904_35B	262940	112138	111105
L1772628-03 WG2355991 1x	0904_50	407771	176330	172835
L1772628-11 WG2355991 1x	0904_51	281679	124235	115888
L1772628-02 WG2355991 50x	0904_58	359018	155192	150253
L1772628-06 WG2355991 10x	0904_59	301109	132622	136530

Instrument: VOCMS20 • File ID: 0905_27

09/05/24 14:43

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
Standard	0905_27	277407	125318	124406
Upper Limit		554814	250636	248812
Lower Limit		138704	62659	62203
LCS R4116397-1 WG2356876 1x	0905_27LCSF	277407	125318	124406
LCS R4116400-1 WG2357065 1x	0905_27LCSG	277407	125318	124406
LCSD R4116397-3 WG2356876 1x	0905_30F	265764	117408	119255
LCSD R4116400-3 WG2357065 1x	0905_30G	265764	117408	119255
BLANK R4116397-4 WG2356876 1x	0905_32F	253035	110877	111063
BLANK R4116400-4 WG2357065 1x	0905_32G	253035	110877	111063
L1772628-19 WG2356876 10x	0905_50	247973	110579	108821
L1772628-20 WG2356876 20x	0905_51	239419	109858	100628
L1772628-24 WG2356876 5x	0905_52	271150	118487	121451
L1772628-25 WG2356876 500x	0905_53	248201	111251	105606
L1772628-10 WG2357065 50x	0905_54	316816	138040	134811

INTERNAL STANDARD SUMMARY

Instrument: VOCMS30 • File ID: 0831_02

08/31/24 11:12

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
Standard	0831_02	246981	108710	97172
Upper Limit		493962	217420	194344
Lower Limit		123491	54355	48586
LCS R4115268-1 WG2354306 1x	0831_02LCSB	246981	108710	97172
BLANK R4115268-2 WG2354306 1x	0831_05B	230602	100049	88531
LCSD R4115268-3 WG2354306 1x	0831_06B	240978	103792	98721
L1772628-01 WG2354306 1x	0831_15	227359	96850	87470
L1772628-02 WG2354306 1x	0831_16	235425	101873	92213
L1772628-03 WG2354306 1x	0831_17	219443	94086	82671
L1772628-04 WG2354306 1x	0831_18	233260	102088	89401
L1772628-05 WG2354306 1x	0831_19	230762	100926	88102
L1772628-08 WG2354306 1x	0831_20	228541	98016	86976
L1772628-10 WG2354306 1x	0831_21	232774	101254	88823
L1772628-11 WG2354306 1x	0831_22	228796	101021	88411
L1772628-12 WG2354306 1x	0831_23	224322	98538	85092
L1772628-13 WG2354306 1x	0831_24	226811	97499	85431
L1772628-14 WG2354306 1x	0831_25	211655	89838	79907
L1772628-15 WG2354306 1x	0831_26	223879	97215	86596
L1772628-16 WG2354306 1x	0831_27	215301	92473	83396
L1772628-17 WG2354306 1x	0831_28	220663	96803	86557
L1772628-07 WG2354306 20x	0831_30	217507	93099	84035
L1772628-09 WG2354306 50x	0831_31	226371	97735	87156
L1772628-18 WG2354306 2500x	0831_32	218561	94993	84770
MS R4115268-4 WG2354306 1x	0831_33	231674	106216	97767
MSD R4115268-5 WG2354306 1x	0831_34	250198	111065	101435

Instrument: VOCMS32 • File ID: 0901_27

09/01/24 11:18

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
Standard	0901_27	176708	73715	67409
Upper Limit		353416	147430	134818
Lower Limit		88354	36858	33705
LCS R4115929-1 WG2354592 1x	0901_27LCS	176708	73715	67409
LCSD R4115929-2 WG2354592 1x	0901_28	171928	70617	68253

INTERNAL STANDARD SUMMARY

Instrument: VOCMS32 • File ID: 0901_27

09/01/24 11:18

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
BLANK R4115929-3 WG2354592 1x	0901_30	166579	66692	64934
L1772628-23 WG2354592 1x	0901_44	152379	61470	55413
L1772628-25 WG2354592 1x	0901_45	156714	62005	58364
L1772628-19 WG2354592 10x	0901_46	153695	60323	58606
L1772628-21 WG2354592 250x	0901_48	147852	58750	53777
L1772628-22 WG2354592 250x	0901_49	147763	57713	50899

Instrument: VOCMS32 • File ID: 0903_02

09/03/24 04:12

Sample ID	File ID	8260-FLUOROBENZENE	8260-CHLOROBENZENE-D5	8260-1,4-DICHLOROBENZENE-D4
		Response	Response	Response
Standard	0903_02	156642	65848	63786
Upper Limit		313284	131696	127572
Lower Limit		78321	32924	31893
LCS R4116831-1 WG2354942 1x	0903_02LCS	156642	65848	63786
LCSD R4116831-2 WG2354942 1x	0903_03	160364	67388	63925
BLANK R4116831-3 WG2354942 1x	0903_05	149552	59721	56835
L1772628-29 WG2354942 1x	0903_06	152929	62019	58933
L1772628-30 WG2354942 1x	0903_07	152626	60900	56059
L1772628-27 WG2354942 1x	0903_11	143117	57331	51465
L1772628-28 WG2354942 1x	0903_12	144012	58083	55465
L1772628-26 WG2354942 25x	0903_25	138562	55755	52506
MS R4116831-4 WG2354942 1x	0903_26	138796	59386	56783
MSD R4116831-5 WG2354942 1x	0903_27	138413	57420	53954

INTERNAL STANDARD SUMMARY

Instrument: VOCMS27 • File ID: 0904_03

09/04/24 10:54

Sample ID	File ID	8260-FLUOROBENZENE Response
Standard	0904_03	123012
Upper Limit		246024
Lower Limit		61506
LCS R4116067-1 WG2354166 1x	0904_04	146090
LCSD R4116067-2 WG2354166 1x	0904_05	144566
BLANK R4116067-3 WG2354166 1x	0904_07	137900
L1772628-01 WG2354166 1x	0904_23	126580

Instrument: VOCMS27 • File ID: 0905_04

09/05/24 10:09

Sample ID	File ID	8260-FLUOROBENZENE Response
Standard	0905_04	141390
Upper Limit		282780
Lower Limit		70695
LCS R4117239-1 WG2356042 1x	0905_05	148155
BLANK R4117239-2 WG2356042 1x	0905_07	143652
LCSD R4117239-3 WG2356042 1x	0905_08	135460
L1772628-02 WG2356042 1x	0905_14	144886
L1772628-03 WG2356042 1x	0905_15	154481
L1772628-04 WG2356042 1x	0905_16	154688
L1772628-05 WG2356042 1x	0905_17	146887
L1772628-06 WG2356042 1x	0905_18	141237
L1772628-07 WG2356042 1x	0905_19	156997
L1772628-08 WG2356042 1x	0905_20	142815
L1772628-09 WG2356042 1x	0905_21	150510
L1772628-10 WG2356042 1x	0905_22	149904
L1772628-11 WG2356042 1x	0905_23	147178
L1772628-12 WG2356042 1x	0905_24	152435
L1772628-13 WG2356042 1x	0905_25	147711
L1772628-14 WG2356042 1x	0905_26	152741
L1772628-15 WG2356042 1x	0905_27	157179
L1772628-16 WG2356042 1x	0905_28	152926
L1772628-17 WG2356042 1x	0905_29	151185
L1772628-19 WG2356042 1x	0905_31	144378

INTERNAL STANDARD SUMMARY

Instrument: VOCMS27 • File ID: 0905_04

09/05/24 10:09

Sample ID	File ID	8260-FLUOROBENZENE Response
L1772628-20 WG2356042 1x	0905_32	143627
MS R4117239-4 WG2356042 1x	0905_33	154794
MSD R4117239-5 WG2356042 1x	0905_34	153435

Instrument: VOCMS27 • File ID: 0906_17

09/06/24 18:28

Sample ID	File ID	8260-FLUOROBENZENE Response
Standard	0906_17	136012
Upper Limit		272024
Lower Limit		68006
LCS R4116977-1 WG2356686 1x	0906_18	132971
LCSD R4116977-2 WG2356686 1x	0906_19	111018
BLANK R4116977-3 WG2356686 1x	0906_21	97380
L1772628-29 WG2356686 1x	0906_22	126195
L1772628-30 WG2356686 1x	0906_23	160652
L1772628-22 WG2356686 1x	0906_28	161444
L1772628-23 WG2356686 1x	0906_29	151167
L1772628-24 WG2356686 1x	0906_30	158613
L1772628-25 WG2356686 1x	0906_31	168368
L1772628-26 WG2356686 1x	0906_32	157849
L1772628-27 WG2356686 1x	0906_33	157524
MS R4116977-4 WG2356686 1x	0906_36	133102
MSD R4116977-5 WG2356686 1x	0906_37	126605

Instrument: VOCMS27 • File ID: 0907_03

09/07/24 11:15

Sample ID	File ID	8260-FLUOROBENZENE Response
Standard	0907_03	145379
Upper Limit		290758
Lower Limit		72690

INTERNAL STANDARD SUMMARY

Instrument: VOCMS27 • File ID: 0907_03

09/07/24 11:15

Sample ID	File ID	8260-FLUOROBENZENE Response
LCS R4117107-1 WG2357855 1x	0907_04	153417
LCSD R4117107-2 WG2357855 1x	0907_05	147476
BLANK R4117107-3 WG2357855 1x	0907_07	133958
L1772628-21 WG2357855 1x	0907_15	126891

Instrument: VOCMS27 • File ID: 0909_03

09/09/24 09:53

Sample ID	File ID	8260-FLUOROBENZENE Response
Standard	0909_03	109778
Upper Limit		219556
Lower Limit		54889
LCS R4117262-1 WG2358449 1x	0909_04	109732
LCS R4117919-1 WG2358907 1x	0909_04B	109732
LCSD R4117262-2 WG2358449 1x	0909_05A	112573
LCSD R4117919-2 WG2358907 1x	0909_05B	112573
BLANK R4117262-3 WG2358449 1x	0909_07	109987
BLANK R4117919-3 WG2358907 1x	0909_07B	109987
L1772628-28 WG2358449 1x	0909_10	115978
L1772628-18 WG2358907 50x	0909_30	131109

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
L1	The associated blank spike recovery was above laboratory acceptance limits.
L2	The associated blank spike recovery was below laboratory acceptance limits.
M1	Matrix spike recovery was high, the method control sample recovery was acceptable.
M2	Matrix spike recovery was low, the method control sample recovery was acceptable.
R7	LFB/LFBD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Nammo Defense Systems

4051 N. Higley Rd
Mesa, AZ 85215

Billing Information:
Accounts Payable
4051 N. Higley Rd
Mesa, AZ 85215

Pres Chk

Report to:
Kate Blatchford

Email To: **kblatchford@nammo.us**

Project Description: Nammo TTU

City/State Collected: MESA, AZ

Please Circle: PT MT CT ET

Phone: **480-898-2436**

Client Project #

Lab Project #
NAMMOMAZ-BLATCHFORD

Collected by (print): Daniel L. Gonzalez

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PERCHLORATE 125mlHDPE-NoPres	V8260AZ 40mlAmb-HCl	V8260LL14D 40mlAmb HCl	Remarks	Sample # (lab only)
TTU-1-GW-50-20240828	G	GW	50	08/28/24	1235	7	X	X	X		-01
TTU-2-GW-114-20240828		GW	114	08/28/24	1142	7	X	X	X		-02
TTU-5-GW-110-20240828		GW	110	08/28/24	1342	7	X	X	X		-03
TTU-9A-GW-61-20240828		GW	61	08/28/24	1310	7	X	X	X		-04
TTU-9A-GW-61-20240828-DUP		GW	61	08/28/24	1310	7	X	X	X		-05
TTU-11-GW-73-20240828		GW	73	08/28/24	0935	7	X	X	X		-06
TTU-12-GW-82-20240828		GW	82	08/28/24	1100	7	X	X	X		-07
TTU-13-GW-51-20240828		GW	51	08/28/24	1245	7	X	X	X		-08
TTU-14-GW-69-20240828		GW	69	08/28/24	1205	7	X	X	X		-09
TTU-14-GW-69-20240828DUP		GW	69	08/28/24	1205	7	X	X	X		-10

Chain of Custody Page 1 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1742048

T C040

Acctnum: **NAMMOMAZ**
Template: **T258866**
Prelogin: **P1096511**
PM: **288 - Daphne Richards**
PB: NG 8/27/24
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: 2 coolers

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	__NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/28/24	1641	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/28/24	1800	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received: 23

Date: 8/29/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PVPA2

Company Name/Address:
Nammo Defense Systems

4051 N. Higley Rd
Mesa, AZ 85215

Billing Information:
Accounts Payable
4051 N. Higley Rd
Mesa, AZ 85215

Pres Chk

Report to:
Kate Blatchford

Email To: **kblatchford@nammo.us**

Project Description: Nammo TTU

City/State Collected: MESA, AZ

Please Circle: PT MT CT ET

Phone: **480-898-2436**

Client Project #

Lab Project #
NAMMOMAZ-BLATCHFORD

Collected by (print): Daniel Gonzalez

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Std

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PERCHLORATE 125ml HDPE-NoPres	V8260AZ 40mlAmb-HCl	V8260LL14D 40mlAmb HCl	Remarks	Sample # (lab only)
TTU-3-GW-108-20240827	G	GW	~~NA~~ DG 108	8/27/24	0955	21	X	X	X	MS/MSD	-1
TTU-4-GW-57-20240827		GW	157		1125	7	X	X	X		-2
TTU-6-GW-143-20240827		GW	143		1032	7	X	X	X		-3
TTU-7-GW-345-20240827		GW	345		1100	7	X	X	X		-4
TTU-8-GW-164-20240827		GW	164		1151	7	X	X	X		-5
TTU-10-GW-172-20240827		GW	172		0900	7	X	X	X		-6
TTU-15-GW-75-20240827		GW	75		1505	7	X	X	X		-7
TTU-16-GW-80-20240827		GW	80		1434	7	X	X	X		-8
TTU-EX1-GW-69-20240827		GW	69		1407	7	X	X	X		-9 -10
TTU-EX2-GW-74-20240827		GW	74		1350	7	X	X	X		

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: 2 coolers

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date: 1611 ↔ 8/28/24 am	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 8/28/24	Time: 1800	Received by: (Signature) FedEx	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/29/24 Time: 900	Hold: Condition: NCF / OK

Chain of Custody Page 2 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1727628

Table #

Acctnum: **NAMMOMAZ**
Template: **T258866**
Prelogin: **P1096511**
PM: **288 - Daphne Richards**
PB: NG 8/21/24

Shipped Via: **FedEX Ground**

PNPAZ

Company Name/Address:
Nammo Defense Systems

4051 N. Higley Rd
Mesa, AZ 85215

Billing Information:
Accounts Payable
4051 N. Higley Rd
Mesa, AZ 85215

Pres Chk

Report to:
Kate Blatchford

Email To: **kblatchford@nammo.us**

Project Description: Nammo TTU

City/State Collected: Mesa, AZ

Please Circle: PT MT CT ET

Phone: **480-898-2436**

Client Project #

Lab Project #
NAMMOMAZ-BLATCHFORD

Collected by (print): Daniel Gonzalez

Site/Facility ID #

P.O. #

Collected by (signature): DG

Immediately Packed on Ice N___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Std.

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PERCHLORATE 125mlHDPE-NoPres	V8260AZ 40mlAmb-HCl	V8260LL14D 40mlAmb HCl								Remarks	Sample # (lab only)
TTU-EX-3-GW-76-20240827	G	GW	~~76~~ ~~AA~~ DG	8/27/24	1526	7	X	X	X									-21
TTU-EX-3-GW-76-20240827-DUP	G	GW	~~76~~ ~~AA~~ DG	8/27/24	1526	7	X	X	X									-22
TTU-17-GW-80-20240828	G	GW	80	08/28/24	0830	7	X	X	X									-23
TTU-19-GW-73-20240828	G	GW	73	08/28/24	0913	7	X	X	X									-24
TTU-20-GW-73-20240828	G	GW	73	08/28/24	0901	7	X	X	X									-25
TTU-EX-4-GW-77-20240828	G	GW	77	08/28/24	1004	7	X	X	X									-26
TTU-EX-5-GW-80-20240828	G	GW	80	08/28/24	1025	21	X	X	X								MS/MSD	-27
PF-2-GW-400-20240827	G	GW	400	8/27/24	0900	6		X	X									-28
TB-20240827		GW		8/27/24	0700	2		X	X									-29
TB-20240828		GW		8/28/24	0700	2		X	X									-30

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1274696

Table #

Acctnum: **NAMMOMAZ**
Template:**T258864**
Prelogin: **P1096508**
PM: **288 - Daphne Richards**
PB: NG 8/21/24

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
2 coolers

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/28/24	1611	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/28/24	1800	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

Date: 8/29/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

PNPAZ

Fed Ex tracking #	Gun ID	Temperature
7464 0847 2312	TLA9	0.1+0.3=0.4
7464 0847 2323	1	1.6+0.3=1.9

Name

Date

Granted

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Katie Blatchford
Nammo Defense Systems Inc
PO BOX 34299
Mesa, Arizona 85277

Generated 9/5/2024 4:14:02 PM

JOB DESCRIPTION

WBO & TTU Quarterly Sampling
Nammo Defense Systems TTU

JOB NUMBER

550-222782-1

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix AZ 85040

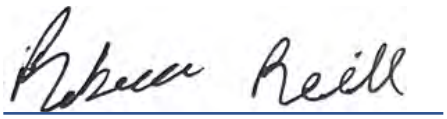
See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southwest, LLC Project Manager.

Authorization



Generated
9/5/2024 4:14:02 PM

Authorized for release by
Rebecca Gentes, Project Manager I
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Designee for
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Table of Contents

Definitions/Glossary

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL) but above MDL.

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

Job ID: 550-222782-1 Eurofins Phoenix

Job Narrative
550-222782-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 8/27/2024 4:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-222782-1	PF-2-GW-400-20240827	Water	08/27/24 08:00	08/27/24 16:37
550-222782-2	PF-2-GW-400-20240827-DUP	Water	08/27/24 08:00	08/27/24 16:37

Detection Summary

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

Client Sample ID: PF-2-GW-400-20240827 — Lab Sample ID: 550-222782-1

No Detections.

Client Sample ID: PF-2-GW-400-20240827-DUP — Lab Sample ID: 550-222782-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

Client Sample ID: PF-2-GW-400-20240827

Lab Sample ID: 550-222782-1
Matrix: Water
Date Collected: 08/27/24 08:00
Date Received: 08/27/24 16:37

Method: EPA 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		1.0		ug/L			09/04/24 16:21	1

Client Sample ID: PF-2-GW-400-20240827-DUP

Lab Sample ID: 550-222782-2
Matrix: Water
Date Collected: 08/27/24 08:00
Date Received: 08/27/24 16:37

Method: EPA 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		1.0		ug/L			09/04/24 17:28	1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 550-325545/1002
Matrix: Water
Analysis Batch: 325545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		1.0		ug/L			09/04/24 14:51	1

Lab Sample ID: LCS 550-325545/4
Matrix: Water
Analysis Batch: 325545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perchlorate	25.0	26.8		ug/L		107	85 - 115

Lab Sample ID: LCSD 550-325545/5
Matrix: Water
Analysis Batch: 325545

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
Perchlorate	25.0	26.6		ug/L		106	85 - 115	1	15

Lab Sample ID: MRL 550-325545/1003
Matrix: Water
Analysis Batch: 325545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Perchlorate	1.00	0.832	E4	ug/L		83	75 - 125

Lab Sample ID: 550-222782-1 MS
Matrix: Water
Analysis Batch: 325545

Client Sample ID: PF-2-GW-400-20240827
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perchlorate	ND		25.0	25.7		ug/L		103	80 - 120

Lab Sample ID: 550-222782-1 MSD
Matrix: Water
Analysis Batch: 325545

Client Sample ID: PF-2-GW-400-20240827
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perchlorate	ND		25.0	26.0		ug/L		104	80 - 120	1	15

QC Association Summary

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

HPLC/IC

Analysis Batch: 325545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-222782-1	PF-2-GW-400-20240827	Total/NA	Water	314.0	
550-222782-2	PF-2-GW-400-20240827-DUP	Total/NA	Water	314.0	
MB 550-325545/1002	Method Blank	Total/NA	Water	314.0	
LCS 550-325545/4	Lab Control Sample	Total/NA	Water	314.0	
LCSD 550-325545/5	Lab Control Sample Dup	Total/NA	Water	314.0	
MRL 550-325545/1003	Lab Control Sample	Total/NA	Water	314.0	
550-222782-1 MS	PF-2-GW-400-20240827	Total/NA	Water	314.0	
550-222782-1 MSD	PF-2-GW-400-20240827	Total/NA	Water	314.0	

Lab Chronicle

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

Client Sample ID: PF-2-GW-400-20240827

Lab Sample ID: 550-222782-1

Date Collected: 08/27/24 08:00

Matrix: Water

Date Received: 08/27/24 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	314.0		1	325545	AG	EET PHX	09/04/24 16:21

Client Sample ID: PF-2-GW-400-20240827-DUP

Lab Sample ID: 550-222782-2

Date Collected: 08/27/24 08:00

Matrix: Water

Date Received: 08/27/24 16:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	314.0		1	325545	AG	EET PHX	09/04/24 17:28

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Nammo Defense Systems Inc
Job ID: 550-222782-1
Project/Site: WBO & TTU Quarterly Sampling
SDG: Nammo Defense Systems TTU

Laboratory: Eurofins Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0728	06-10-25

Method Summary

Client: Nammo Defense Systems Inc
Project/Site: WBO & TTU Quarterly Sampling

Job ID: 550-222782-1
SDG: Nammo Defense Systems TTU

Method	Method Description	Protocol	Laboratory
314.0	Perchlorate (IC)	EPA	EET PHX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

222782

Eurofins - Phoenix, AZ
4625 E Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
Phone: 602.437.3340

Chain of Custody Record

eurofins Environment Testing America

9/5/2024

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing Southwest, LLC

Client Contact	**Client Project Manager: Katie Blatchford**	Tory Luttermoser	COC No:
	Email: kblatchford@nammo.us	Site Contact: ~~Jeff Geiser~~ DG Date: 08/27/24	1 of 1 COCs
Company: Nammo Defense Systems	Tel/Fax: 480-898-2436	Lab Contact: Emily Petrunia Carrier:	TALS Project #:
Address: 4051 N Higley Rd	**Analysis Turnaround Time**		Sampler: DG
City, State, Zip: Mesa, Arizona 85215	☐ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
Phone: 480-898-2436	TAT if different from Below _Standard__		Walk-in Client:
	☐ 2 weeks		Lab Sampling:
Project: WBO & TTU Quarterly Sampling	☐ 1 week		
Site: Nammo Defense Systems TTU	☐ 2 days		Job / SDG No.:
P O #	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Perchlorate for Drinking water by Method 314.0	PERCHLORATE 125mlHDPE-NoPres	V8260AZ 40mlAmb-HCL	V8260LL14D 40mlAmb HCL	Sample Specific Notes:
PF-2-GW-400-20240827	08/27/24	0800	G	GW	2			X				-01
PF-2-GW-400-20240827-DUP	08/27/24	0800	G	GW	1			X				-02

550-222782 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _See bottles/bottle order_

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste?
Please List any EPA Waste Codes for the sample in the
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

1.4°C | ICE | CPO

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: DLG	Company: BTS	Date/Time: 08/27/24 1637	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: EETA PHX	Date/Time: 8/27/24 @ 1637

Login Sample Receipt Checklist

Client: Nammo Defense Systems Inc

Job Number: 550-222782-1
SDG Number: Nammo Defense Systems TTU

Login Number: 222782
List Number: 1
Creator: Vela, Jorge

List Source: Eurofins Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.

ANALYTICAL REPORT

September 26, 2024

Nammo Defense Systems

Sample Delivery Group:	L1781373
Samples Received:	09/25/2024
Project Number:	
Description:	Nammo TTU

Report To: Kate Blatchford
4051 N. Higley Rd
Mesa, AZ 85215

Entire Report Reviewed By:

Jordan N Zito
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

SAMPLE SUMMARY

TTU-6-GW-143-20240924 L1781373-01 GW

Collected by: Jeff Geiser
Collected date/time: 09/24/24 12:10
Received date/time: 09/25/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 314.0 Mod	WG2369573	5	09/26/24 10:50	09/26/24 10:50	CDV	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jordan N Zito
Project Manager

Wet Chemistry by Method 314.0 Mod

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Perchlorate	246	M3	20.0	5	09/26/2024 10:50	WG2369573

Method Blank (MB)

(MB) R4124866-1 09/26/24 09:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Perchlorate	U		0.800	4.00

L1781373-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1781373-01 09/26/24 10:50 • (DUP) R4124866-3 09/26/24 11:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Perchlorate	246	249	5	0.981		15

Laboratory Control Sample (LCS)

(LCS) R4124866-2 09/26/24 10:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Perchlorate	25.0	27.3	109	90.0-110	

L1781373-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1781373-01 09/26/24 10:50 • (MS) R4124866-4 09/26/24 11:46 • (MSD) R4124866-5 09/26/24 12:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Perchlorate	25.0	246	279	276	130	119	5	80.0-120	M3		0.941	15

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Nammo Defense Systems

4051 N. Higley Rd
Mesa, AZ 85215

Billing Information:
Accounts Payable
4051 N. Higley Rd
Mesa, AZ 85215

Pres Chk

Report to: [redacted] Kate Blatchford

Email To: kblatchford@nammo.us [redacted]

Project Description: Nammo TTU

City/State Collected: Mesa, AZ

Please Circle: PT MT CT ET

Phone: 480-898-2436

Client Project #

Lab Project # NAMMOMAZ-BLATCHFORD

Collected by (print): Jeff Geiser

Site/Facility ID #

P.O. # 0018756

Collected by (signature): Jeff Geiser

Immediately Packed on Ice N___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
✓ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	NITRATE,NITRITE 125mlHDPE-NoPres	Ortho-Phosphate 100ml Amb NoPres	PERCHLORATE 125mlHDPE-NoPres	V8260AZ 40mlAmb-HCl	Remarks	Sample # (lab only)
TTU-6-GW-143-20240924	G	GW	143	9-24-24	1210	1			X			-01
		GW										
		GW										
		GW										
		GW										
		GW										
		GW										
		GW										
		GW										
		GW										

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1248737

Tab G072

Acctnum: NAMMOMAZ
Template: ~~T248639~~
Prelogin: P1075099
PM: 288 - Daphne Richards
PB:

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: 24 hour TAT

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 4102 9171 6147

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature) Jeff Geiser	Date: 9-24-24	Time: 1314	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date: 9/24/24	Time: 1800	Received by: (Signature) FedEx	Temp: MS 13.2 °C Bottles Received: 1	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/25/24 Time: 900	Hold: Condition: NCF / OK

PM 288