Q1 2023 Sampling Event Data Gap Monitoring Well No. WUABFFMW01

Kirtland Air Force Base Bulk Fuels Facility Albuquerque, New Mexico



Prepared for:



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Acronyms and Abbreviations

°C	degrees Celsius
°F	degrees Fahrenheit
µg/L	micrograms per liter
µS/cm	microSiemens per centimeter
AES	Advanced Environmental Solutions
ASTM	ASTM International
BFF	Bulk Fuels Facility
bgs	below ground surface
btoc	below top of casing
DEHP	bis(2-ethylhexyl) phthalate
DMPDB	dual membrane passive diffusion sampler (also abbreviated DMB or DMS)
DI	deionized water
DL	detection limit
EA	EA Engineering, Science, and Technology, Inc., PBC
EDB	1,2-dibromoethane, aka ethylene dibromide
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
Eurofins	Eurofins Lancaster Laboratories Environment Testing, LLC
ft	foot/feet
gal	gallon(s)
gpm	gallons per minute
INTERA	INTERA Incorporated
KAFB	Kirtland Air Force Base
LF	low-flow purge sampling method
LNAPL	light non-aqueous phase liquid
LOD	limit of detection
LOQ	limit of quantitation
LTM	long-term monitoring
NAVD88	North American Vertical Datum of 1988
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NTUs	nephelometric turbidity units
ORP	oxidation-reduction potential
PAHs	polycyclic aromatic hydrocarbons
PDB	passive diffusion bag







QSM	Department of Defense (DoD) Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories
Site	Data Gap Well No. WUABFFMW01
SSHASP	Site-Specific Health and Safety Plan
SOP	Standard Operating Procedure
SVOCs	semi-volatile organic compounds
VOCs	volatile organic compounds
Water Authority	Albuquerque Bernalillo County Water Utility Authority
Work Plan/SAP	Work Plan and Sampling Analysis Plan





1 Introduction

INTERA Incorporated (INTERA), under contract with the Albuquerque Bernalillo County Water Utility Authority (Water Authority) and in accordance with the *Work Plan/Sampling Analysis Plan for Data Gap Monitoring Well Installation Well No. WUABFFMW01* (Work Plan/SAP) dated January 6, 2022 and revised March 2023, is submitting this *Q1 2023 Quarterly Groundwater Monitoring Report*. This report documents activities associated with the Quarter 1 (Q1) 2023 sampling event to determine the presence/absence of EDB and other fuel contaminants conducted in March 2023 at Water Authority Data Gap Monitoring Well No. WUABFFMW01 (WUABFFMW01), located at 800 Indiana Street SE, Albuquerque, New Mexico (Site).

1.1 Background

WUABFFMW01 was installed at the Site in 2022 to investigate the distal end of the ethylene dibromide (EDB) groundwater plume emanating from the Kirtland Air Force Base (KAFB) Bulk Fuels Facility (BFF) jet fuel leak. The KAFB BFF leak was reportedly discovered in 1999 and has subsequently been investigated and monitored by the United States Air Force and their contractors, including EA Engineering, Science, and Technology, Inc., PBC (EA) and others, via a network of monitoring wells within KAFB and in Albuquerque neighborhoods to the north of KAFB. Groundwater underlying KAFB is impacted with benzene, toluene, ethylbenzene, and xylenes (BTEX), EDB, and light non-aqueous phase liquid (LNAPL). The EDB groundwater plume extends more than 6,000 ft from the source north into the neighborhoods, and although interim measure extraction wells have been implemented, until the EDB plume is fully remediated it continues to pose a risk to Water Authority production wells. Thus, characterization of the distal end of the EDB plume by filling any data gaps in the monitoring well network is important to ensure that the network is sufficient to serve as an early warning system for downgradient Water Authority production wells.

Field construction activities for WUABFFMW01 were initiated on January 24, 2022 and were completed on April 14, 2022. The well is screened between 572 feet to 592 feet below ground surface (bgs) to monitor a potential deep contaminant migration pathway; for comparison, the depth to water at the time of completion was 453 feet bgs. Groundwater sampling of WUABFFMW01 began in May 2022 and has continued to present on a quarterly basis using one or both of these sampling methods each event:

- passive sampling using passive diffusion bag (PDB) samplers for analysis of volatile organic compound (VOC) constituents and dual membrane passive diffusion (DMPDB) samplers for analysis of non-VOC constituents, and
- 2. low-flow purge sampling (LF) using a dedicated Bennett Pump to purge three saturated wellcasing volumes at a flow rate low enough to avoid turbulent flow and minimize drawdown and then to collect samples for analysis of both VOC and non-VOC constituents.

Water levels are manually gauged using an oil/water interface probe during sampling events and certain other field activities at the well. A pressure transducer and data logger were installed in WUABFFMW01 in July 2022 to record hourly water levels between sampling events. The transducer is removed for three weeks each quarter while PDB and DMPDB samplers are deployed and during PDB or LF sampling. The





transducer is replaced following sample collection and reprogrammed to the current water level after the completion of sampling activities.

1.2 Scope of Work

The SAP portion of the Work Plan/SAP outlines the sampling procedures that INTERA followed for all groundwater monitoring activities at WUABFFMW01. The Work Plan/SAP includes a Site-Specific Health and Safety Plan (SSHASP) as an attachment. The scope of work for the groundwater sampling for the presence/absence of EDB and other fuel contaminants event conducted in Q1 2023 reported herein included the following tasks:

- Notify the Water Authority of sampling schedule and coordinate with EA and/or Air Force representatives upon split-sample request.
- Measure fluid levels at WUABFFMW01 using a properly decontaminated oil/water interface probe, download transducer data before sampling, and program and redeploy transducer after sampling.
- Perform passive and LF purge sampling while measuring groundwater quality field parameters (temperature, specific conductivity, pH, oxidation-reduction potential [ORP], and turbidity) and monitoring field parameters during purging for stabilization using a calibrated YSI Pro Plus water quality meter and a turbidity meter. Collect groundwater samples at WUABFFMW01 and submit samples for the following laboratory analyses:
 - Ethylene dibromide (EDB) via EPA Method 8011
 - Volatile Organic Compounds (VOCs) via EPA Method 8260
 - Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270
 - Metals via EPA Method 6010
 - Anions via EPA Method E300.0
 - Alkalinity via Standard Method SM2320B
- Decontaminate all reusable sampling equipment using Liquinox[®] (or equivalent) soap and rinse twice with deionized (DI) water. This includes decontamination of the Bennett pump and tubing onsite prior to use for sampling and using lab-grade ASTM Type II reagent water (a high-purity specification for DI water) for the final rinse before sampling.
- Collect QA/QC samples including an equipment rinsate sample from the final decontamination rinse and a field blank during collection of the groundwater sample for VOCs. Submit QA/QC samples for laboratory analysis of VOCs.
- Transport purge water off-Site for disposal at the Advanced Environmental Solutions (AES) facility in Belen, New Mexico.

The WUABFFMW01 Q1 2023 sampling event was the first event that incorporated certain methodology changes in the sampling approach as envisioned in the March 2023 SAP revisions. In addition to several minor clarifications to procedures, the more significant revisions included formalizing inclusion of both





passive and LF samples during each quarterly event, formalizing the additions of equipment rinsate and field blank samples to the scope, and contracting directly with and submitting samples directly to Eurofins Lancaster Laboratories Environment Testing, LLC (Eurofins), 2425 New Holland Pike, Lancaster, Pennsylvania (Environmental Laboratory Accreditation Program [ELAP] Certificate No. 36-00037, State of Pennsylvania).

The new contract with Eurofins specified reporting analytical results according to *Department of Defense (DoD) Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories*, version 5.4, dated 2021. Use of the QSM protocol is intended to provide maximum comparability with results from the KAFB monitoring program. The laboratory quantitation and detection limits under the QSM protocol differ somewhat from the default Eurofins protocol under which results were reported for previous quarterly monitoring events. The QSM limits include, from highest to lowest, a limit of quantitation (LOQ), and limit of detection (LOD), and a detection limit (DL). The LOQ is essentially equivalent to the default protocol's reporting limit, and the DL is essentially equivalent to the default protocol s that under the QSM protocol, non-detections are reported as being less than the LOD as opposed to a method detection limit. Detected concentrations below the LOQ that are greater than or equal to the DL are reported as estimated quantities, the same as with the default protocol.

1.3 Work Plan Deviations

The following work plan/SAP deviations this quarter are noted below:

- Following discussion and mutual agreement by the Water Authority and INTERA, two additional equipment rinsate samples were collected following maintenance on the Bennett pump and tubing bundle in March 2023 before the Q1 field event. One rinsate sample was collected using lab-grade DI water poured over the tubing bundle exterior on March 29, 2023 after over-taping the tubing bundle with self-fusing silicone tape; the sample was to ensure the new tape was clean. The second sample was collected using lab-grade DI water poured over the tubing bundle before the Q1 water poured over the Bennett pump to ensure the pump was clean since it had just been returned from the manufacturer following maintenance and cleaning by the manufacturer. Last, the routine equipment rinsate sample was collected from the lab-grade DI water circulated through the pump and tubing for the final decontamination rinse. All rinsate samples were submitted to Eurofins for analysis of VOCs.
- Eurofins reported dissolved metals by EPA Method 6020 and nitrate and nitrite by EPA Method 353.2. In INTERA's experience, these methods are comparable to EPA Methods 6010 and 300.0, respectively, i.e., differences are typically small and random.





2 Field Activities

Field activities for this groundwater sampling event at WUABFFMW01 were conducted on March 10 and 31, 2023. A copy of the field notes and groundwater sampling forms are included in **Appendix A**. The SSHASP was reviewed in detail and used as a guide for daily health and safety meetings. All field activities were performed in accordance with the procedures stated in the Water Authority-approved Work Plan/SAP.

2.1 Fluid Level Monitoring

A dedicated pressure transducer (In-Situ Level TROLL 700, 300 psi, with vented, twist-lock cable) was installed on December 14, 2022 in WUABFFMW01 following the Q4 2022 sampling event and set to record water levels hourly. INTERA downloaded the data from the transducer prior to PDB/DMPDB deployment on March 10, 2023 and will transfer the electronic file to the Water Authority via email.

Depth to groundwater was gauged on March 10, 2023 prior to PDB/DMPDB deployment and again on March 31, 2023 prior to the LF purge sampling event. LNAPL was not anticipated to be present in WUABFFMW01, and an electronic oil-water interface probe was used to confirm it was not present at the water surface prior to the sampling event. Upon retraction, the well gauging tape was thoroughly decontaminated per the Work Plan/SAP. Fluid level measurements were recorded in the field forms and notes included in **Appendix A**.

The pressure transducer was reset following LF purge sampling on March 31, 2023.

2.2 Groundwater Sampling

INTERA collected passive and LF groundwater samples from WUABFFMW01 on March 31, 2023. Sampling methods are discussed in further detail in Sections 2.2.1 and 2.2.2. All purge, water quality, and sample collection data were recorded on a field form, a copy of which is provided in **Appendix A**. The samples were submitted to Eurofins Lancaster Laboratories Environment Testing, LLC (Eurofins), 2425 New Holland Pike, Lancaster, Pennsylvania (Environmental Laboratory Accreditation Program [ELAP] Certificate No. 36-00037, State of Pennsylvania) for the analyses listed in Section 1.2. The laboratory report is included in **Appendix B**. Purge water was containerized in a 275-gallon tote and transported by INTERA to the AES facility in Belen, New Mexico for disposal. A copy of the waste manifest is provided in **Appendix C**.

2.2.1 Passive Diffusion Bag and Dual Membrane Passive Diffusion Sampling

PDBs, DMPDBs, and accessories were ordered from Eon Products prior to the sampling event. The tethered line of PDB and DMPDB samplers were deployed on March 10, 2023. The samplers were set in the screened interval from approximately 572 to 592 ft bgs and left in the well for 3 weeks. The depths of the tops of each sampler and the specific laboratory analyses performed with water from each sampler are listed on the form in **Appendix A**. The PDB and DMPDB samplers were retrieved on March





31, 2023, samples were collected for the Water Authority and split with EA, and groundwater quality field parameters were measured using a YSI Pro Plus water quality meter and a Hach 2100Q turbidity meter. EDB and VOCs samples for the Water Authority were collected from the PDB sampler that had been placed with the top at 586 ft below top of casing (btoc). Per EA's request, their split sample was obtained from the DMPDB sampler with the top at 583 ft btoc. The Water Authority samples for all other analytes were from the shallower DMPDB samplers.

2.2.2 Low-Flow Purge Bennett Pump Sampling

WUABFFMW01 was sampled using the LF purge method on March 31, 2023 following passive sampling and decontamination of the Bennett pump and tubing. During the event, the Bennett pump was placed in the center of the well screen, and the flow rate was maintained at 1 gallon per minute (gpm) or less, with an average of about 0.82 gpm. This flow rate was still sufficiently low to maintain laminar flow in a 3-inch well (the flow rate was higher than for previous sampling events which maintained flow rates of approximately 0.13 gpm).

During purging, groundwater quality field parameters (temperature, specific conductivity, pH, ORP, and turbidity) were monitored for stabilization using a YSI Pro Plus water quality meter and a Hach 2100Q turbidity meter. Purging was considered complete when WUABFFMW01 had been purged a minimum of three saturated well-casing volumes and the field parameters had stabilized. Stability was defined as a minimum of three consecutive measurements within 10 percent (%) of each other for temperature and specific conductivity, within 0.5 standard units for pH, within 10 millivolts (mV) for ORP, and either below 10 nephelometric turbidity units (NTUs) or within 10% of each other for turbidity.

After a total of 175 gallons had been purged (field parameters stabilized and purging continued slightly beyond the minimum three casing volumes), the LF sample was collected from WUABFFMW01 and split with EA.

2.3 QA/QC Samples

QA/QC samples were collected prior to and during the sampling event using the same VOCs containers and preservatives as for the primary samples and submitted to Eurofins for analysis of VOCs by EPA Method 8260. The QA/QC samples were filled using ASTM Type II reagent water (lab-grade DI water).

On March 29, 2023, an equipment rinsate (blank) sample designated EQPT-PUMP_20230329 was collected from lab-grade DI water poured over the Bennett pump, to ensure the pump was clean. The Bennett pump was shipped to Bennett, Inc. for maintenance and a deep cleaning, and the equipment rinsate was collected upon return to determine if the manufacturer cleaning was effective and to ensure that no VOC cross-contamination had occurred during shipping and handling.

On March 31, 2023, two additional equipment rinsate (blank) samples were collected before lowering the Bennett pump downhole for purging and LF groundwater sample collection. An equipment rinsate designated EQPT-TAPE_03312023 was collected from lab-grade DI water poured over the tubing bundle to ensure the exterior surface was clean following maintenance to over-tape the tubing bundle with





self-fusing silicone tape. Next, the Bennett pump and tubing were decontaminated by placing the pump in a PVC decontamination vessel and circulating Liquinox and water through the tubing for one cycle, DI water only for a first rinse, and lab-grade DI water for the final rinse. An equipment rinsate designated EQPT-BLANK_03312023 was collected from the final rinse.

A field blank designated FIELD-BLANK_03312023 was collected by filling sample vials with lab-grade DI water and leaving them open to the atmosphere during collection of the primary groundwater sample.

Laboratory reports are included in Appendix B.





3 Results and Discussion

This section presents the results of the Q1 2023 quarterly groundwater sampling event at WUABFFMW01 conducted on March 10 and March 31, 2023. **Figure 1** presents water levels collected through the current quarter. **Table 1**, **Table 2**, and **Table 3** summarize water quality data from field measurements and laboratory analyses of groundwater and QA/QC samples. A copy of the field notes and groundwater sampling forms are included in **Appendix A**. The complete laboratory report is included in **Appendix B**.

3.1 Fluid Level Monitoring

Depth to groundwater was measured on March 10, 2023 before deploying the PDB/DMPDB samplers and was 451.97 ft btoc, equal to an elevation of 4,876.57 ft on the North American Vertical Datum of 1988 (NAVD88). A groundwater level measurement was also collected on March 31, 2023, prior to the Bennett pump sampling event, and depth to groundwater was 451.51 ft btoc, equal to an elevation of 4,877.03 ft NAVD88. LNAPL of measurable thickness (greater than 0.01 ft) was not observed.

Figure 1 presents water levels collected with the transducer as well as manual measurements through Q1 2023. Diurnal and seasonal variations are evident, as well as a slight upward trend over the first four quarters of monitoring. Groundwater elevations increased from October 2022 through March 2023 and ended at a higher elevation than measured during Q4 2022.

3.2 Field Parameters and Laboratory Analytical Results

Groundwater quality parameters (temperature, conductivity, pH, ORP, and turbidity) recorded from the PDB/DMPDB samplers and during well purging on March 31, 2023 are provided in the groundwater sampling forms in **Appendix A**, and stabilized/final groundwater quality parameters are summarized in **Table 1**. Results of laboratory analyses of the passive and LF groundwater samples collected March 31, 2023 are summarized in **Table 2**, QA/QC sample results are summarized in **Table 3**, and the complete laboratory report is included in **Appendix B**.

EDB and BTEX compounds were not detected in the passive or LF purge groundwater samples or the QA/QC samples above their respective detection limits (DLs).

The LF purge groundwater sample analyzed by EPA Method 8260D did not detect any VOCs. The passive groundwater sample identified low, estimated concentrations of 1,2,4-trichlorobenzene (0.31J μ g/L) and acetone (2.4J μ g/L), which are not likely representative of the aquifer environment. The "J" qualifier on each of these results indicates that the concentration identified is estimated (the result is less than the Limit of Quantitation [LOQ] but greater than or equal to the detection limit [DL] used by the laboratory). Analytical uncertainty and the role of random error increase at levels below the LOQ.

The low 1,2,4-trichlorobenzene concentration estimated in the passive sample is not corroborated by the LF purge sample result nor any previous sample results from WUABFFMW01, and the compound is not known to be associated with the KAFB BFF release (e.g., it was not detected in any of the 184





groundwater results from the KAFB BFF monitoring well network in Q4 2021, one of the larger recent sampling events) nor associated with any common sampling materials. Known uses of 1,2,4-trichlorobenzene are as an intermediate in chemical manufacturing, as an insecticide, and various industrial uses. If not consistently detected in future monitoring events, the 1,2,4-trichlorobenzene detection is likely due to laboratory contamination.

The low acetone concentration estimated in the passive sample was likewise not corroborated by the LF purge sample result, but comparable levels of acetone were reported for the field blank (1.4J μ g/L) and equipment rinsate samples (0.91J to 1.6J μ g/L). Acetone is a common laboratory contaminant and is also a common solvent in numerous consumer products and other products that may be present in an urban environment. Given the concentrations of acetone detected in the QA/QC samples, the detection reported for the passive groundwater sample is likely due to acetone in the ambient air during sampling and/or laboratory contamination.

Acetone and chloroform were the only compounds detected in any of the QA/QC samples collected for this event (**Table 3**). Chloroform is a common disinfection byproduct of water treatment. Detections of chloroform in some of the equipment blanks are likely attributable to the lab-grade DI water used for QA/QC samples or from laboratory contamination. Chloroform was not detected in either of the passive (PDB) or LF purge groundwater samples and therefore did not affect the primary sample results.

The only SVOC detections in groundwater samples analyzed by EPA Method 8270E were low, estimated concentrations of bis(2-ethylhexyl) phthalate (DEHP) (2.9J μ g/L) in the passive (DMPDB) sample and naphthalene (0.10JM μ g/L) in the LF purge sample, which are not likely representative of the aquifer environment. The "J" qualifiers indicate estimated results below the LOQs, and the "M" qualifier indicates that the result was manually integrated by the chemist to correct a questionable automatic integration by the laboratory instrument software. DEHP is a common laboratory and field contaminant associated with plasticizers; the low estimated concentration is not considered significant relative to the LOD or DL for the sample and associated laboratory method blank (**Appendix B**). Naphthalene occurs in petroleum products including those associated with the KAFB BFF release; however, the low naphthalene concentration reported for the LF purge sample (at a level equal to the DL) is not corroborated by the passive sample result nor any previous sample results from WUABFFMW01, and naphthalene would not be expected to migrate downgradient of the known groundwater BTEX plumes from the BFF. If not consistently detected in future monitoring events, the naphthalene detection is likely due to laboratory contamination.

Anions and metals or other cations detected above MDLs in the passive of LF purge groundwater samples included chloride, sulfate, total alkalinity, total arsenic, calcium, magnesium, potassium, sodium, dissolved iron, and dissolved manganese and are presented in **Table 2**.





4 Summary and Recommendations

The contaminant of greatest concern, 1,2-dibromoethane (EDB), has not been detected in samples collected from WUABFFMW01 to date. The groundwater sample collected during the Q1 2023 sampling event did not detect any BTEX compounds. Detections of other organic compounds during this event are not considered representative of the aquifer environment for reasons explained in Section 3.2. Several inorganic analytes were detected; none of the inorganic concentrations identified were unusual.

The laboratory analytical results were compared to their respective screening levels used by KAFB for the BFF site, which are based on EPA and New Mexico Water Quality Control Commission (NMWQCC) standards, and no exceedances were identified.

INTERA recommends continued sampling of WUABFFMW01 for EDB and other fuel contaminants on a quarterly basis. This recommendation aligns with the sampling frequency followed by the Air Force, thus allowing for consistent and reliable data comparison across the BFF groundwater monitoring well network, thus allowing for consistent and reliable data comparison across the BFF groundwater monitoring well network.





Figures





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Tables



TABLE 1 Groundwater Quality Field Parameters

Quarterly Groundwater Monitoring Report for Data Gap Well WUABFFMW01 ABCWUA Kirtland Air Force Base Bulk Fuels Facility Albuquerque, New Mexico

Well ID	Date	Temperature		Specific Conductivity	рH	ORP (mV)	Turbidity	
	Duito	°C	°F	(µS/cm)	p		(NTU)	
WUABFFMW01	3/31/2023*	14.3	57.7	301.5	7.52	191.70	2.52	
WUABFFMW01	3/31/2023**	19.0	66.2	242.3	7.86	-141.20	0.38	

Notes:

*Passive Diffusion Bag Sampling Event

**Bennett Pump Low-Flow Purge Sampling Event

°C = degrees Celsius.

°F = degrees Fahrenheit.

 μ S/cm = microSiemens per centimeter.

mV = millivolts.

NTU = Nephelometric Turbidity Unit.

ORP = Oxidation-Reduction Potential



TABLE 2 Laboratory Analytical Results - Groundwater Quarterly Groundwater Monitoring Report for Data Gap Well WUABFFMW01

ABCWUA Kirtland Air Force Base Bulk Fuels Facility

Albuquerque, New Mexico

						Org	anics ^{1,2,3}	3,4								Inorganics	5,6,7				Dissolv	ed Metals ⁷
Sample ID	Date	1,2-Dibromoethane (EDB) ¹	Benzene ²	Toluene ²	Ethylbenzene ²	Total Xylenes ²	BTEX ³	1,2,4-Trichlorobenzene ²	Acetone ²	Chloroform ²	Bis(2-ethylhexyl) phthalate (DEHP) ⁴	Naphthalene ⁴	Chloride ⁵	Sulfate ⁵	Total Alkalinity ⁵	Arsenic ^e	Calcium ⁷	Magnesium ⁷	Potassium ⁷	Sodium ⁷	Iron ⁷	Manganese ⁷
	Units						µg/L										mg	ı/L				
	EPA MCL	0.05	5	1000	700	10,000	NS	70	NS	70	6	30	NS	NS	NS	0.010	NS	NS	NS	NS	NS	NS
	EPA RSL	0.075	4.6	1100	15	190	NS	1.2	14000	0.22	5.6	12	NS	NS	NS	0.000052	NS	NS	NS	NS	14	0.43
NMWQ	CC Standard	0.05	5	1000	700	620	NS	70	NS	100	NS	30	250	600	NS	0.010	NS	NS	NS	NS	1.0	0.2
KA	FB BFF PSL	0.05	5	1000	700	620	NS	70	14000	70	6	30	250	600	NS	0.010	NS	NS	NS	NS	1.0	0.2
	3/31/2023*	<0.019	<0.60	<0.50	<0.80	<0.80	<2.7	0.31 J	2.4 J	<0.60	2.9 J	<0.21 M	9.2 D M	31 D	110	0.0014 J	33	4.5	2.7	24	0.190 J	0.094
	3/31/2023**	<0.019	<0.60	<0.50	<0.80	<0.80	<2.7	<1.0	<2.0	<0.60	<4.0	0.10 J M	8.9 D	28	110	0.00098 J	32	4.5	2.9	26	0.160 J	0.190

Notes:

Bolding indicates values or RLs in excess of KAFB BFF PSLs = more stringent of EPA MCL or NMWQCC Standard, or EPA RSL if analyte has no MCL or NMWQCC Standard.

NS = No standard/screening level.

Selected analytes listed include EDB, BTEX compounds, and analytes detected in at least one environmental sample or QA/QC sample this quarter. See laboratory report for all non-detected analytes.

¹ = EDB analyzed by U.S. Environmental Protection Agency (EPA) Method 8011

² = Volatile organic compounds analyzed by EPA Method 8260D

³ = BTEX includes sum of benzene, toluene, ethylbenzene, and total xylenes detections (non-detections < limit of detection [LOD] are assumed to be 0) or sum of LODs when no individual analytes are detected

⁴ = Semivolatile organic compounds analyzed by EPA Method 8270E

⁵ = Nitrate and nitrite analyzed by EPA Method 353.2, other anions analyzed by EPA Method 300.0, and alkalinity analyzed by Standard Method 2320E

⁶ = Arsenic and lead analyzed by EPA Method 6020A.

⁷ = Cations/dissolved metals analyzed by EPA Method 6010C.

*Passive Diffusion Bag Sampling Event.

**Bennett Pump Low-Flow Purge Sampling Event.

µg/L = microgram(s) per liter.

mg/L= milligram(s) per liter.

D - Reported value is from a dilution.

J - Result is less than the Limit of Quantitation (LOQ) but greater than or equal to the detection limit (DL) and the concentration is an approximate value.

M - Manually integrated result.

BTEX = benzene, toluene, ethylbenzene, and total xylenes.

EDB = 1,2-dibromoethane, also known as ethylene dibromide.

EPA MCL = maximum contaminant level as defined by the EPA.

EPA RSL = regional screening level as defined by the EPA.

NMWQCC Standard = Groundwater Standards as defined by the State of New Mexico Water Quality Control Commission (NMWQCC, December 2018).

KAFB BFF PSL = Kirtland Air Force Base Bulk Fuel Facility Project Screening Level.



TABLE 3

Laboratory Analytical Results - QA/QC Samples

Quarterly Groundwater Monitoring Report for Data Gap Well WUABFFMW01 ABCWUA Kirtland Air Force Base Bulk Fuels Facility

Albuquerque, New Mexico

					Orga	nics			
Sample ID	Date	1,2-Dibromoethane (EDB)	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,2,4-Trichlorobenzene	Acetone	Chloroform
				C	oncentra	tion (µg/	L)		
EQPT-PUMP_20230329	03/29/2023	<0.50	<0.60	<0.50	<0.80	<0.80	<1.0	0.91 J	0.31 J
EQPT-TAPE_03312023	03/31/2023	<0.50	<0.60	<0.50	<0.80	<0.80	<1.0	1.6 J	<0.60
EQPT-BLANK_03312023	03/31/2023	<0.50	<0.60	<0.50	<0.80	<0.80	<1.0	<2.0	0.44 J
FIELD-BLANK_03312023	03/31/2023	<0.50	<0.60	<0.50	<0.80	<0.80	<1.0	1.4 J	<0.60

Notes:

Selected analytes listed include EDB, BTEX compounds, and volatile organic compounds detected in at least one environmental sample or QA/QC sample this quarter. See laboratory reports for all non-detected analytes.

Analyzed by EPA Method 8260D.

µg/L = microgram(s) per liter

J - Result is less than the Limit of Quantitation (LOQ) but greater than or equal to the detection limit (DL) and the concentration is an approximate value.





Appendix A Field Notes and Groundwater Sampling Form



Passive Diffusion Water Sampling Data Sheet



DEPLOYMENT RECORD

Sample ID	WIABFFMWOI	
Deployment Team	B. Archuleta à L. Prile	
Date/Time Deployed	Date: MM/DD/YYY: 3/10/23	Time: 1230
Water Level Meter	Heron Interface Probe	

Well Stats (feet below top of casing [ft btoc])							
Well Total Depth ¹	597						
Top of Screen	572						
Bottom of Screen	592						
Depth to Water	451.97						
Notes	cyanal Prilippinessis,						

¹Total Depth is based on construction data, not measured in field

Price

Signed

SAMPLING RECORD

Sampler Number	Top of Sampler Depth (ft btoc)
1*	574
2*	577
3*	580
4*	583
5**	586

*** 8** 01

*Dual Membrane Bag; ** Passive Diffusive Bag

3/0/23

Date

Sample ID	WUABFFMWOI_03312023_PDB							
Sampling Team	L. Price, F. Roccker, A. Hafrer							
Date/Time Sampled	Date: MM/DD/YYY:03/31/2023 Time: 0902							
Water Level Meter								
Water Quality Meter	YSI Pro Plus (Rental-19G10133	39)						

Water Quality Readings

Time	Temp (°C)	рН	SP. COND. (mS/cm)	ORP (mV)	TURB. (NTU)*	Comments (color/odor)
0920	14.3	7.5.2	301.5	191.7	2.52	Clear. No odor





Groundwater Analyses

				\sim		
Analytes/Method	1	2	3	4	5	Notes
VOCs EPA Method 8260.					X	
SVOCs via EPA Method 8270.			X			
Total Metals (As, Pb, Ca, Mg, K, Na) via EPA Method 6010/6020.	X					
Dissolved Metals (Fe, Mn) via EPA 6010	X					
Anions (Cl, Br, SO4) via EPA Method E300.0.			X			
Nitrate/Nitrite nitrogen via EPA 353.2		X				
EDB via EPA Method 8011.					X	
Alkalinity via EPA Method SM2320B.		X				

ynder Price

3/31/23 Date

Signed





PROJECT NAME: _DATA GAP WELL _____ PROJECT NO.: ABWUA.C009.KAFB____ WELL NO.: __WUABFFMW01

DATE: 3/31/2023 FIELD CREW A. Hafner, F. Roecker, B. Archyleter

L Arice

WATER LEVEL, WATER COLUMN HEIGHT, PUMP DETAILS

TIME	DEPTH TO BOTTOM OF WELL (ft btoc)*	DEPTH TO WATER (DTW) (ft btoc)	SCREENED INTERVAL (ft btoc)	Water Column Height (DTB-DTW) (ft)	PUMP TYPE	PUMP DEPTH (ft btoc)
0938	597	451.51	572- 592	145.49	BENNETT	~ 582

ft btoc: feet below top of casing from designated measuring point; *Total Depth is based on construction data, not measured in field

PURGE VOLUME

Well Casing Diameter	Volume/Linear Foot (see conversion table below)	1 Well Volume	2 Well Volumeș	3 Well Volumes
(inches)		(gal)	(gal)	(gal)
3'	0.38	55.29		165.86

VOLUME/LINEAR FOOT (gal/ft) (Use well casing ID)

1" = 0.04 1.5" = 0.09 2" = 0.17 3" = 0.38 4" = 0.66 6" = 1.5 8" = 2.6 10" = 4.1

1 well casing volume = Volume/Linear Foot x Water Column Height

METHOD OF PURGING: _	Bennett	Pump	C	~105 psi	
METHOD OF SAMPLING:	Bennett	Pump		1	

WATER LEVEL/WATER QUALITY INSTRUMENTS USED

INSTRUMENT	SERIAL NO.	TIME CALIBRATION PERFORMED	TECH	COMMENTS
VSI Pro Plus	196101339	0810	Att	Rental
HACH 2100 Q	130200023547	6810	AH	Turb.
Geofech OWI			-	Black reel

WATER QUALITY READINGS DURING PURGING

TIME	TEMP (°C)	рН	SP. COND. (μS/cm)	ORP (mV)	TURB. (NTU)*	Water Level (ft bTOC)	Flow Rate (gal/min)	Total Volume Purged (gal)	Comments (color/odor)
149	Genera	tor on				451.51			
1153	Water	C SUR	face, pum	ping, bu	icket te	sf			
1155	17.4	7.64	244.5	1 15-13				~	
1200	Connect	non or	YSI flo	w-throu	gh cell	leaking,	replaced	1 w/ wi	der diam. tubing
1206	Resume	pumpi	na		5	٦.)
1208	18.1	7.76	244.5	-69.0	1.20	451.58	0.8	-10	colorless, odorless
1220	18.6	7.81	244.0	-118.5	0.91	451.76	0.8	.20	ι, υ υ
1235	18.6	7.84	243.2	-129.3	0.91	451.78	0.8	AH80022	/1
1250	18.7	7.84	242.9	-131.8	0.94	451.79	0.8		
1300	18.7	7.85	243.2	-133.4	0.87	451.78	0.8	60 +	adjusted based
1315	18.8	7.85	24 3.6	-136.2	0.90	451.80	0.8	60	on tote marks.
1330	18.8	7.85	243.4	-136,9	0.78	451.79	0.8	72	
1345	18.8	7.85	242.8	-137.7	0.64	451.78	0.8	85	
1400	18.8	7.85	244.2	-139.0	0.64	45178	0.8	100	

Page ____ of ____



WATER QUALITY READINGS DURING PURGING (continued)

165:86

TIME	TEMP (°C)	рН	SP. COND. (μS/cm)	ORP (mV)	TURB. (NTU)*	Water Level (ft bTOC)	Flow Rate (gal/min)	Total Volume Purged (gal)	Comments (color/odor)
1415	18.9	7.86	244.0	-139.2	0.59	451.74	0.8	11200AH	a lastara a doc
1445	18.9	7.85	243.7	-139.8	0.39	451.82	0.8	136	FC
1515	19.0	7.86	243.5	140.0	0.52	451.75	0.8	148	Tightened app
1530	19.0	7.86	242 3	-141.2	0.38	451.79	1,0	175->	Connection at motstme trais fifter. Able to in
						ŝ.j			HOpsi -> 125p
						+			

*If measured.

Stabilization = Temp ±1°C; pH ±0.2 units; Sp. Cond. ±10%; Turb. ±10% (when greater than 10NTUs) ORP. ±10mV

GROUNDWATER SAMPLING DATA

1545 1545 1545 A	VOA VOA	82 COD_DOD5 VOCS	2			
1545 1545 1545 A	VOA VOA	82600_005 VOCs	3			
1545 1545 A	VOA	041 0 00 000	_	HUME	HCI	
1545 A		XOILDODS EDB	2	40mL	HCI	
	mber glass	8270 SVOCs	2	250mL	none	
1545	Plastic	CO10C, CO20A	1	250mL	HNO3	
1545 1	Plastic	GOLOC FE, MA		250mL	HNO3	
1545	Plastic	353.2 Nitrite	l	50mL	none	
1545	Plastic	353.2 Total N	1	250 mL	Sulfuric	
1545	Plastic	2320B Alkalinity	1	250mL	none	
1545	Plastic	300 DRFM Chloride, 1	1	50mL	none	
		Sulfide				
		TOTAL:				
ampler:	Roin Aral	. leta		Ra	2	
	(Printe	ed Name)	(Sic	inature)		

August 2019

Page 2 of 2

3/10/23 PDB Deployment Friday March 10, 2023 Weather: Clordy 50's slight breeze Personnel: Lynda Price 7. Brian Archileta [Objectives] Collect/download transducer data, pill transduces, collect WL, deploy 1 PDB + 4 DMS 1115 INTERA on-site. Conduct Health - Safety meeting 1130 Download pressing transducer Lata, pull logger UP. 1150 Arm Wahi on site 1201 Water Level = 451.97' broc 1215 Begin filling 4 DMs + 1 PDB W/ ASTM Distilled DI water provided by Eon products. 1230 Bags are connected to the dedicated tetrered line and lowered down the well into the screened interval. Topot Bag 1 (DM) 15 at 574 broc Topot Bag 2 (DM) 15 at 577 broc Top of Bag 3 (DM) 15 at 590' broc Top of Bag 4 (DM) is at 593' LTOC Top of Big 5 (PDB) is at 596' bTDC 1305 INTERA off-site. Well is locked 3110/23

AFFLU PDB & BP Samplins 3/31/23 Friday March 31, 2023 Wentner: Sunny, 30's-40's breezy Personnel: Alison Hefner, Frank Rocker, Lynch Price Objectives : Collect samples from PiDBS +DMS, Collect comple Using Bennett Pump. Sampling method has changed, we will be purging BCV @ n gal/min. No longer purging at a low they rate. 0800 INTERA M-site. Tracy Vaught (KAFB) + Dylan (EA) M-site. 0810 Besin calibrative the 451 Pro Plus (Geotecin Rental) and HAZH Turbidity meter 0825 conduct the 5 meiting 0830 Cetan (wuA) on site. Arun walki (INTERA) on-site 0902 Bugin jampling the PDBS + DM bags White Quality Personeters: @ 0920 Temp 2 pit SC 2m ORPMU Turb NTV Comments 14.3 752 301.5 171.7 2.52 clert, no odor See field form for more details. Sample ID = [WUABFFMWOI _03312023 PDB]

PDB- BP Sampling LP/AH/FR 3/31/23 0938 WL= 451.51' bTOL Dylan Schmeelk 626-523-2208 0945 Begin collecting tape blank for the new silicon tape overwrap. EQPT-TAPE-03312023/ collected for 1000 VOLS 8260 Begin decenning the pump/tobig assembling w/ liquinox wash (cullisanDI), + 2 rinses First rinse CullisanDI 1015 second vinse Lab grade DI from HALL. EQPT-BLANK-03312023 collected for VOIS 8260 4 see below Start with Cullision DI/Liquinex 1020 - Recirculating Start recyculating Culliger DI ringe. 1040 Start recirculating Lab-grade DI water from Hall. 1054 Sampled ERPT-BLANK-03312023 collected for 1115 VOC5 8260 Begin sending pump down well, decorning exterior of tubing w microfiber cloth + 1120 liquinox solution



AHVBA/FR PPB + BP Sampling 3/31/23 1545 Field Blank collected FIELD-BLANK-03312023 collected for VOCS 8200 water cevel - 451.50 btoc 1650 Redeploy transducer 1730 - Set DTW at 451.50' first reading set to start at 1800. Recording every I how interval. 1745 Finish decon note at ~1700 - Alison Hafmen to FedEx to overnight ship samples to Europens Las Sortunday Delivery. 1800 St Finish packing up site. - Head to office to offload. (F.R.) - B.A. to ABWUA yand to drop off trailer



Appendix B Laboratory Analytical Report





Environment Testing

ANALYTICAL REPORT

PREPARED FOR

5 6

Attn: Arun Wahi INTERA Inc 9600 Great Hills Trail Suite 300W Austin, Texas 78759 Generated 6/5/2023 3:28:28 PM Revision 1

JOB DESCRIPTION

WUA Data Gap Well for KAFB BFF

JOB NUMBER

410-121085-1

Eurofins Lancaster Laboratories Environment Testing, LLC 2425 New Holland Pike Lancaster PA 17601



Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 6/5/2023 3:28:28 PM Revision 1 1

5

Authorized for release by Natalie Luciano, Principal Project Manager Natalie.Luciano@et.eurofinsus.com (717)556-7258

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

• QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Definitions/Glossary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job ID: 410-121085-1

3

Qualifiers

GC/MS VOA		
Qualifier	Qualifier Description	_ 4
^c	CCV Recovery is outside acceptance limits.	
cn	Refer to Case Narrative for further detail	5
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Μ	Manual integrated compound.	
U	Indicates the analyte was analyzed for but not detected.	
GC/MS Semi	VOA	
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	- s
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Μ	Manual integrated compound.	C
U	Indicates the analyte was analyzed for but not detected.	2
GC Semi VO	Α	
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	- 1
HPLC/IC		
Qualifier	Qualifier Description	
D	The reported value is from a dilution.	_
Μ	Manual integrated compound.	
U	Indicates the analyte was analyzed for but not detected.	
Metals		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	- 4
U	Indicates the analyte was analyzed for but not detected.	
General Che	mistry	
Qualifier	Qualifier Description	

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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)

Eurofins Lancaster Laboratories Environment Testing, LLC

Definitions/Glossary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Lancaster Laboratories Environment Testing, LLC
Job ID: 410-121085-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-121085-1

Case Narrative

REVISION

The report being provided is a revision of the original report sent on 4/26/2023. The report (revision 1) is being revised due to the resorting of analytes to report alpha-numerically.

Receipt

The samples were received on 4/1/2023 9:50 AM. 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 0.7°C

GC/MS VOA

Method 8260D_DOD5: The response for Dichlorodifluoromethane in the continuing calibration verification (CCV) marginally exceeds the DoD acceptance criteria on batch 410-363430. Due to the marginal nature of the outlier(s), the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: WUABFFMW01_03312023_PDB

5

Lab	Sample	ID: 4	410-12 ⁻	1085-1

Lab Sample ID: 410-121085-2

Lab Sample ID: 410-121085-4

Lab Sample ID: 410-121085-5

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.31	J	5.0	1.0	0.30	ug/L	1	_	8260D	Total/NA
Acetone	2.4	J	20	2.0	0.70	ug/L	1		8260D	Total/NA
Bis(2-ethylhexyl)	2.9	J	5.4	4.3	2.1	ug/L	1		8270E	Total/NA
phthalate										
Sulfate	31	D	7.5	5.0	2.5	mg/L	5		300.0	Total/NA
Chloride	9.2	DM	7.5	6.0	3.0	mg/L	5		300.0	Total/NA
Calcium	33000		200	190	96	ug/L	1		6010C	Total
										Recoverable
Magnesium	4500		100	80	40	ug/L	1		6010C	Total
										Recoverable
Potassium	2700		500	410	200	ug/L	1		6010C	Total
										Recoverable
Sodium	24000		1000	480	240	ug/L	1		6010C	Total
										Recoverable
Iron, Dissolved	190	J	210	160	82	ug/L	1		6010C	Dissolved
Manganese, Dissolved	94		10	6.2	3.1	ug/L	1		6010C	Dissolved
Arsenic	1.4	J	2.0	1.7	0.68	ug/L	1		6020A	Total
										Recoverable
Bicarbonate Alkalinity as	110		8.0	6.0	2.6	mg/L	1		2320B-2011	Total/NA
CaCO3										
Total Alkalinity as CaCO3 to pH 4.5	110		8.0	6.0	2.6	mg/L	1		2320B-2011	Total/NA
- '										

Client Sample ID: EQPT-PUMP_20230329

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac D	Method	Prep Type
Acetone	0.91	J	20	2.0	0.70	ug/L	1	8260D	Total/NA
Chloroform	0.31	J	1.0	0.60	0.30	ug/L	1	8260D	Total/NA

Client Sample I	D: EQPT-TA	Lab Sa	am	ple ID:	410-121085-3					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	J	20	2.0	0.70	ug/L	1	-	8260D	Total/NA

Client Sample ID: EQPT-BLANK_03312023

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Ргер Туре
Chloroform	0.44	J	1.0	0.60	0.30	ug/L	1	_	8260D	Total/NA

Client Sample ID: WUABFFMW01_03312023_LF

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	Dil Fac	D	Method	Prep Туре
Naphthalene	0.10	J M *1	0.51	0.20	0.10	ug/L	1	_	8270E	Total/NA
Sulfate	28	D	7.5	5.0	2.5	mg/L	5		300.0	Total/NA
Chloride	8.9	D	7.5	6.0	3.0	mg/L	5		300.0	Total/NA
Calcium	32000		200	190	96	ug/L	1		6010C	Total
										Recoverable
Magnesium	4500		100	80	40	ug/L	1		6010C	Total
										Recoverable
Potassium	2900		500	410	200	ug/L	1		6010C	Total
										Recoverable
Sodium	26000		1000	480	240	ug/L	1		6010C	Total
										Recoverable
Iron, Dissolved	160	J	210	160	82	ug/L	1		6010C	Dissolved
Manganese, Dissolved	190		10	6.2	3.1	ug/L	1		6010C	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: FIELD-BLANK 03312023

Result Qualifier

1.4 J

Analyte

Acetone

Prep Type

Total/NA

Lab Sample ID: 410-121085-6

Dil Fac D Method

1

8260D

5

Client Sample ID: WUABFFMW01 03312023 LF (Continued) Lab Sample ID: 410-121085-5 Result Qualifier LOQ LOD DL Unit Dil Fac D Method Analyte Prep Type 0.68 ug/L 0.98 J 2.0 1.7 6020A Arsenic 1 Total Recoverable Total/NA 110 8.0 6.0 2.6 mg/L 1 2320B-2011 Bicarbonate Alkalinity as CaCO3 Total Alkalinity as CaCO3 110 8.0 6.0 2.6 mg/L 2320B-2011 Total/NA 1 to pH 4.5

LOD

2.0

DL Unit

0.70 ug/L

LOQ

20

This Detection Summary does not include radiochemical test results.

Client Sample ID: WUABFFMW01_03312023_PDB Date Collected: 03/31/23 09:02 Date Received: 04/01/23 09:50

Method: SW846 8260D - Volatile	organic Co	mpounds	(GC/MS)						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,1,2-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,1-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,1-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,2,4-Trichlorobenzene	0.31	J	5.0	1.0	0.30	ug/L		04/13/23 17:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	0.30	ug/L		04/13/23 17:52	1
1,2-Dibromoethane (EDB)	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
1,2-Dichlorobenzene	0.50	U	5.0	0.50	0.20	ug/L		04/13/23 17:52	1
1,2-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,2-Dichloropropane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
1,3-Dichlorobenzene	1.4	U	5.0	1.4	0.68	ug/L		04/13/23 17:52	1
1,4-Dichlorobenzene	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 17:52	1
2-Butanone	1.0	U	10	1.0	0.50	ug/L		04/13/23 17:52	1
2-Hexanone	1.7	U	10	1.7	0.85	ug/L		04/13/23 17:52	1
4-Methyl-2-pentanone	1.0	U	10	1.0	0.50	ug/L		04/13/23 17:52	1
Acetone	2.4	J	20	2.0	0.70	ug/L		04/13/23 17:52	1
Benzene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Bromodichloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Bromoform	2.0	U	4.0	2.0	1.0	ug/L		04/13/23 17:52	1
Bromomethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Carbon disulfide	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 17:52	1
Carbon tetrachloride	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Chlorobenzene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Chloroethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Chloroform	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Chloromethane	1.1	U	2.0	1.1	0.55	ug/L		04/13/23 17:52	1
cis-1,2-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
cis-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Cyclohexane	2.0	U	5.0	2.0	1.0	ug/L		04/13/23 17:52	1
Dibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L		04/13/23 17:52	1
Freon 113	0.60	U	10	0.60	0.30	ug/L		04/13/23 17:52	1
Isopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L		04/13/23 17:52	1
Methyl acetate	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 17:52	1
Methyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Methylcyclohexane	1.0	U	5.0	1.0	0.50	ug/L		04/13/23 17:52	1
Methylene Chloride	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Styrene	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 17:52	1
Tetrachloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Toluene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
trans-1,2-Dichloroethene	1.4	U	2.0	1.4	0.70	ug/L		04/13/23 17:52	1
trans-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Trichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 17:52	1
Trichlorofluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Vinyl chloride	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 17:52	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		04/13/23 17:52	1

Job ID: 410-121085-1

Lab Sample ID: 410-121085-1 Matrix: Water

Matrix: Water

5

6

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Bis(2-chloroethoxy)methane

Bis(2-ethylhexyl) phthalate

Bis(2-chloroethyl)ether

Butyl benzyl phthalate

Dibenz(a,h)anthracene

Caprolactam

Dibenzofuran

Carbazole

Chrysene

Client Sample ID: WUABFFMW01 03312023 PDB Date Collected: 03/31/23 09:02 Date Received: 04/01/23 09:50

Surrogate	%Recovery Q	ualifier	Limits			Prepared	Analyzed	Dil Fac	5
1,2-Dichloroethane-d4 (Surr)	105		81 - 118				04/13/23 17:52	1	J
4-Bromofluorobenzene (Surr)	87		85 - 114				04/13/23 17:52	1	0
Dibromofluoromethane (Surr)	95		80 - 119				04/13/23 17:52	1	0
Toluene-d8 (Surr)	98		89 - 112				04/13/23 17:52	1	
Method: SW846 8270E - Se	mivolatile Organ	ic Comp	ounds (GC/MS)						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit D	Analyzed	Dil Fac	8
1,1'-Biphenyl	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
2,2'-oxybis[1-chloropropane]	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	9
2,4,5-Trichlorophenol	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
2,4,6-Trichlorophenol	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
2,4-Dichlorophenol	1.1	U *1	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
2,4-Dimethylphenol	9.7	U *1	11	9.7	3.2	ug/L	04/07/23 22:17	1	
2,4-Dinitrophenol	30	U	32	30	15	ug/L	04/07/23 22:17	1	
2,4-Dinitrotoluene	2.1	U	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
2,6-Dinitrotoluene	1.1	UM	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
2-Chloronaphthalene	0.86	U	1.1	0.86	0.43	ug/L	04/07/23 22:17	1	40
2-Chlorophenol	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	13
2-Methylnaphthalene	0.21	U *1	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
2-Methylphenol	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
2-Nitroaniline	2.1	U	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
2-Nitrophenol	2.1	U *1	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
3,3'-Dichlorobenzidine	8.6	U *1	11	8.6	4.3	ug/L	04/07/23 22:17	1	
4,6-Dinitro-2-methylphenol	21	U	23	21	8.6	ug/L	04/07/23 22:17	1	
4-Chloro-3-methylphenol	2.1	U *1	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
4-Chloroaniline	9.7	U *1	11	9.7	4.3	ug/L	04/07/23 22:17	1	
4-Chlorophenyl phenyl ether	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
4-Methylphenol	1.1	U	2.1	1.1	0.54	ug/L	04/07/23 22:17	1	
4-Nitroaniline	2.1	U	3.2	2.1	0.97	ug/L	04/07/23 22:17	1	
4-Nitrophenol	21	U	32	21	11	ug/L	04/07/23 22:17	1	
Acenaphthene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
Acenaphthylene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
Acetophenone	2.1	U	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
Anthracene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
Atrazine	2.1	U	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
Benzaldehyde	2.1	U	5.4	2.1	1.1	ug/L	04/07/23 22:17	1	
Benzo[a]anthracene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
Benzo[a]pyrene	0.24	UM	0.54	0.24	0.12	ug/L	04/07/23 22:17	1	
Benzo[b]fluoranthene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
Benzo[q,h,i]perylene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	
Benzo[k]fluoranthene	0.21	U	0.54	0.21	0.11	ug/L	04/07/23 22:17	1	

0.54 ug/L

0.54 ug/L

2.1 ug/L

2.1 ug/L

3.2 ug/L

0.11 ug/L

0.11 ug/L

0.54 ug/L

0.54 ug/L Job ID: 410-121085-1

Matrix: Water

Lab Sample ID: 410-121085-1

2.1

2.1

5.4

5.4

7.5

2.1

0.54

0.54

2.1

1.1

1.1

4.3

4.3

6.4

1.1

0.21

0.21

1.1

1.1 U*1

4.3 U*1

1.1 U

2.9 J

6.4 U

1.1 U

0.21 U

0.21 U

1.1 U

6/5/2023 (Rev. 1)

1

1

1

1

1

1

1

1

1

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

04/07/23 22:17

Client Sample ID: WUABFFMW01_03312023_PDB Date Collected: 03/31/23 09:02 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-1

Matrix: Water

Method: SW846 8270E - S	emivolatile Organ	ic Comp	ounds (C	GC/MS	6) (Contin	lued)					
Analyte	Result	Qualifier	I	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	5
Diethyl phthalate	4.3	U		5.4	4.3	2.1	ug/L		04/07/23 22:17	1	
Dimethyl phthalate	4.3	U		5.4	4.3	2.1	ug/L		04/07/23 22:17	1	6
Di-n-butyl phthalate	4.3	U		5.4	4.3	2.1	ug/L		04/07/23 22:17	1	
Di-n-octyl phthalate	11	UM		12	11	5.4	ug/L		04/07/23 22:17	1	
Fluoranthene	0.21	U		0.54	0.21	0.11	ug/L		04/07/23 22:17	1	
Fluorene	0.26	U		0.54	0.26	0.13	ug/L		04/07/23 22:17	1	8
Hexachlorobenzene	0.24	U		0.54	0.24	0.12	ug/L		04/07/23 22:17	1	
Hexachlorobutadiene	1.1	U *1		2.1	1.1	0.54	ug/L		04/07/23 22:17	1	0
Hexachlorocyclopentadiene	11	U		12	11	5.4	ug/L		04/07/23 22:17	1	3
Hexachloroethane	1.1	U		5.4	1.1	0.54	ug/L		04/07/23 22:17	1	
Indeno[1,2,3-cd]pyrene	0.24	U		0.54	0.24	0.12	ug/L		04/07/23 22:17	1	
Isophorone	1.1	U *1		2.1	1.1	0.54	ug/L		04/07/23 22:17	1	
Naphthalene	0.21	U M *1		0.54	0.21	0.11	ug/L		04/07/23 22:17	1	
Nitrobenzene	1.1	U *1		2.1	1.1	0.54	ug/L		04/07/23 22:17	1	
N-Nitrosodi-n-propylamine	1.1	U		2.1	1.1	0.54	ug/L		04/07/23 22:17	1	
N-Nitrosodiphenylamine	1.1	U		2.1	1.1	0.54	ug/L		04/07/23 22:17	1	
Pentachlorophenol	4.3	U		5.4	4.3	1.1	ug/L		04/07/23 22:17	1	13
Phenanthrene	0.24	U		0.54	0.24	0.12	ug/L		04/07/23 22:17	1	
Phenol	1.1	U		2.1	1.1	0.54	ug/L		04/07/23 22:17	1	
Pyrene	0.21	U		0.54	0.21	0.11	ug/L		04/07/23 22:17	1	
Surrogate	%Recovery Q	ualifier	l imits				Prepare	d	Analyzed	Dil Fac	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	70		43 - 140	04/07/23 14:33	04/07/23 22:17	1
2-Fluorobiphenyl (Surr)	76		44 - 119	04/07/23 14:33	04/07/23 22:17	1
2-Fluorophenol (Surr)	40		19 - 119	04/07/23 14:33	04/07/23 22:17	1
Nitrobenzene-d5 (Surr)	65		44 - 120	04/07/23 14:33	04/07/23 22:17	1
p-Terphenyl-d14 (Surr)	87		50 - 134	04/07/23 14:33	04/07/23 22:17	1
Phenol-d5 (Surr)	26		10 - 120	04/07/23 14:33	04/07/23 22:17	1
. ,						

Method: SW846 8011 - EDB,	DBCP, and 1,2	,3-TCP (G	C)						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Ethylene Dibromide (1C)	0.019	U	0.028	0.019	0.0093	ug/L		04/06/23 10:57	1
Surrogate	%Recovery G	ualifier	Limits			Prepar	red	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	80		46 - 136			04/05/23	06:26	04/06/23 10:57	1
1,1,2,2-Tetrachloroethane (2C)	91		46 - 136			04/05/23	06:26	04/06/23 10:57	1
Method: EPA 300.0 - Anions Analyte	, <mark>Ion Chromato</mark> Result	<mark>graphy</mark> Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromide	2.5	U	3.8	2.5	1.3	mg/L		04/24/23 14:28	5
Sulfate	31	D	7.5	5.0	2.5	mg/L		04/24/23 14:28	5
Chloride	9.2	DM	7.5	6.0	3.0	mg/L		04/24/23 14:28	5
	als (ICP) - Tota	Recover	able						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac

Analyte	Result Qua	alifier LOQ	LOD	DL	Unit	D	Analyzed	DII Fac
Calcium	33000	200	190	96	ug/L		04/10/23 20:18	1
Magnesium	4500	100	80	40	ug/L		04/10/23 20:18	1
Potassium	2700	500	410	200	ug/L		04/10/23 20:18	1
Sodium	24000	1000	480	240	ug/L		04/10/23 20:18	1

Client Sample Results

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: WUABFFMW01_03312023_PDB Date Collected: 03/31/23 09:02 Date Received: 04/01/23 09:50

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron, Dissolved	190	J	210	160	82	ug/L		04/07/23 22:03	1
Manganese, Dissolved	94		10	6.2	3.1	ug/L		04/07/23 22:03	1
_ Method: SW846 6020A - Metals (IC	P/MS) - T	otal Recove	rable						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	1.4	J	2.0	1.7	0.68	ug/L		04/10/23 08:19	1
Lead	0.20	U	0.50	0.20	0.071	ug/L		04/10/23 08:19	1
_ General Chemistry									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	110		8.0	6.0	2.6	mg/L		04/05/23 07:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	6.0	U	8.0	6.0	2.6	mg/L		04/05/23 07:35	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	110		8.0	6.0	2.6	mg/L		04/05/23 07:35	1
Nitrate as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		04/03/23 07:05	1
Nitrate Nitrite as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		04/08/23 09:10	1
Nitrite as N (EPA 353.2)	0.040	U	0.050	0.040	0.015	ma/L		04/01/23 14:47	1

Client Sample ID: EQPT-PUMP_20230329 Date Collected: 03/29/23 15:00 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-2

Method: SW846 8260D - Volati	Method: SW846 8260D - Volatile Organic Compounds (GC/MS)											
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac			
1,1,1-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,1,2-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,1-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,1-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.30	ug/L		04/12/23 12:22	1			
1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	0.30	ug/L		04/12/23 12:22	1			
1,2-Dibromoethane (EDB)	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 12:22	1			
1,2-Dichlorobenzene	0.50	U	5.0	0.50	0.20	ug/L		04/12/23 12:22	1			
1,2-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,2-Dichloropropane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
1,3-Dichlorobenzene	1.4	U	5.0	1.4	0.68	ug/L		04/12/23 12:22	1			
1,4-Dichlorobenzene	0.60	U	5.0	0.60	0.30	ug/L		04/12/23 12:22	1			
2-Butanone	1.0	U	10	1.0	0.50	ug/L		04/12/23 12:22	1			
2-Hexanone	1.7	U	10	1.7	0.85	ug/L		04/12/23 12:22	1			
4-Methyl-2-pentanone	1.0	U	10	1.0	0.50	ug/L		04/12/23 12:22	1			
Acetone	0.91	J	20	2.0	0.70	ug/L		04/12/23 12:22	1			
Benzene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
Bromodichloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 12:22	1			
Bromoform	2.0	U	4.0	2.0	1.0	ug/L		04/12/23 12:22	1			
Bromomethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
Carbon disulfide	0.60	U	5.0	0.60	0.30	ug/L		04/12/23 12:22	1			
Carbon tetrachloride	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
Chlorobenzene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 12:22	1			
Chloroethane	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 12:22	1			

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-121085-1

Matrix: Water

Lab Sample ID: 410-121085-1

LOQ

1.0

2.0

1.0

1.0

5.0

10

1.0

1.0

10

5.0

5.0

1.0

5.0

1.0

5.0

1.0

LOD

0.60

1.1

0.60

0.50

2.0

0.50

0.50

0.80

0.60

0.50

0.60

0.50

1.0

0.60

0.60

0.60

DL Unit

ug/L

ug/L

0.30 ug/L

0.55 ug/L

0.30 ug/L

0.20 ug/L

1.0

0.20 ug/L

0.20 ug/L

0.40

0.30 ug/L

0.20 ug/L

0.30 ug/L

0.50 ug/L

0.30 ug/L

0.30 ug/L

0.30 ug/L

0.20 ug/L

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Analyte

Chloroform

Cyclohexane

Ethylbenzene

Isopropylbenzene

Methyl tert-butyl ether

Methylcyclohexane

Methylene Chloride

Tetrachloroethene

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Methyl acetate

Freon 113

Styrene

Chloromethane

cis-1,2-Dichloroethene

cis-1,3-Dichloropropene

Dibromochloromethane

Dichlorodifluoromethane

Client Sample ID: EQPT-PUMP 20230329 Date Collected: 03/29/23 15:00 Date Received: 04/01/23 09:50

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Result Qualifier

0.31 J

1.1 U

0.60 U

0.50 U

2.0 U

0.50 U

080 U

0.60 U

0.50 U

0.60 U

0.50 U

1.0 U

0.60 U

0.60 U

0.60 U

101

0.50 U ^c cn

Lab Sample ID: 410-121085-2 Matrix: Water

Analyzed

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

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04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

04/12/23 12:22

D

6

Dil Fac

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1	3

Toluene	0.50	U		1.0	0.50	0.20	ug/L	04/12/23 12:22	1
trans-1,2-Dichloroethene	1.4	U		2.0	1.4	0.70	ug/L	04/12/23 12:22	1
trans-1,3-Dichloropropene	0.50	U		1.0	0.50	0.20	ug/L	04/12/23 12:22	1
Trichloroethene	0.60	U		1.0	0.60	0.30	ug/L	04/12/23 12:22	1
Trichlorofluoromethane	0.50	U		1.0	0.50	0.20	ug/L	04/12/23 12:22	1
Vinyl chloride	0.50	U		1.0	0.50	0.20	ug/L	04/12/23 12:22	1
Xylenes, Total	0.80	U		1.0	0.80	0.40	ug/L	04/12/23 12:22	1
Surrogate	%Recovery Qu	ıalifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		81 - 118	-				04/12/23 12:22	
4-Bromofluorobenzene (Surr)	92		85 - 114					04/12/23 12:22	1
Dibromofluoromethane (Surr)	93		80 - 119					04/12/23 12:22	-

89 - 112

Client Sample ID: EQPT-TAPE 03312023 Date Collected: 03/31/23 10:00 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-3 Matrix: Water

04/12/23 12:22

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) **Result Qualifier** Analyte LOQ LOD DL Unit D Analyzed Dil Fac 0.60 U 1,1,1-Trichloroethane 1.0 0.60 0.30 ug/L 04/13/23 18:14 1 1.1.2.2-Tetrachloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 18:14 1 1.1.2-Trichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 18:14 1 0.60 1,1-Dichloroethane 0.60 U 1.0 0.30 ug/L 04/13/23 18:14 1 1,1-Dichloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 18:14 1 5.0 1.0 0.30 ug/L 04/13/23 18:14 1,2,4-Trichlorobenzene 1.0 U 1 1,2-Dibromo-3-Chloropropane 1.0 U 50 1.0 0.30 ug/L 04/13/23 18:14 1 0.50 1,2-Dibromoethane (EDB) 1.0 0.20 ug/L 04/13/23 18:14 0.50 U 1 1,2-Dichlorobenzene 0.50 U 5.0 0.50 0.20 ug/L 04/13/23 18:14 1 0.60 1,2-Dichloroethane 060 U 1.0 0.30 ug/L 04/13/23 18:14 1 1,2-Dichloropropane 0.60 U 1.0 0.60 0.30 04/13/23 18:14 ug/L 1 1.3-Dichlorobenzene 14 U 5.0 1.4 0.68 ug/L 04/13/23 18:14 1 1,4-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ug/L 04/13/23 18:14 1 2-Butanone 1.0 U 10 1.0 04/13/23 18:14 0.50 ug/L 1

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: EQPT-TAPE_03312023 Date Collected: 03/31/23 10:00 Date Received: 04/01/23 09:50

Job ID: 410-121085-1

Lab Sample ID: 410-121085-3 **Matrix: Water**

6

Method: SW846 8260D - Vo	latile Organic Co	mpound	s (GC/MS) (C	ontinued)					
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2-Hexanone	1.7	U	10	1.7	0.85	ug/L		04/13/23 18:14	1
4-Methyl-2-pentanone	1.0	U	10	1.0	0.50	ug/L		04/13/23 18:14	1
Acetone	1.6	J	20	2.0	0.70	ug/L		04/13/23 18:14	1
Benzene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Bromodichloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Bromoform	2.0	U	4.0	2.0	1.0	ug/L		04/13/23 18:14	1
Bromomethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Carbon disulfide	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 18:14	1
Carbon tetrachloride	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Chlorobenzene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Chloroethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Chloroform	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Chloromethane	1.1	U	2.0	1.1	0.55	ug/L		04/13/23 18:14	1
cis-1,2-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
cis-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Cyclohexane	2.0	U	5.0	2.0	1.0	ug/L		04/13/23 18:14	1
Dibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L		04/13/23 18:14	1
Freon 113	0.60	U	10	0.60	0.30	ug/L		04/13/23 18:14	1
Isopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L		04/13/23 18:14	1
Methyl acetate	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 18:14	1
Methyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Methylcyclohexane	1.0	U	5.0	1.0	0.50	ug/L		04/13/23 18:14	1
Methylene Chloride	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Styrene	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 18:14	1
Tetrachloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Toluene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
trans-1,2-Dichloroethene	1.4	U	2.0	1.4	0.70	ug/L		04/13/23 18:14	1
trans-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Trichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 18:14	1
Trichlorofluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Vinyl chloride	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 18:14	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		04/13/23 18:14	1
Surrogate	%Recovery Qu	alifier	Limits			Prep	ared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		81 - 118					04/13/23 18:14	1
4-Bromofluorobenzene (Surr)	94		85 - 114					04/13/23 18:14	1

Dibromofluoromethane (Surr)	94	80 - 119	
Toluene-d8 (Surr)	91	89 - 112	
Client Sample ID: EQPT-B	LANK 0331202	23	
Date Collected: 03/31/23 11:15			

Lab Sample ID: 410-121085-4 **Matrix: Water**

04/13/23 18:14

04/13/23 18:14

1

1

Method: SW846 8260D - Volatile Organic Compounds (GC/MS) Analyte Result Qualifier LOQ LOD DL Unit D Analyzed Dil Fac 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 13:27 1,1,1-Trichloroethane 1 1,1,2,2-Tetrachloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 13:27 1 1,1,2-Trichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 13:27 1

Client Sample Results

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: EQPT-BLANK_03312023 Date Collected: 03/31/23 11:15 Date Received: 04/01/23 09:50

Job ID: 410-121085-1

Lab Sample ID: 410-121085-4 Matrix: Water

Method. 30040 0200D - VO Analyta	Result	Qualifier			וח	Unit	D Analyzod	Dil Fac
1 1-Dichloroethane				0.60	0.30		-1000000000000000000000000000000000000	
1 1-Dichloroethene	0.00		1.0	0.00	0.30	ug/L	04/13/23 13:27	· · · · · · · · · · · · · · · · · · ·
1 2 4-Trichlorobenzene	1.0	U U	5.0	1.0	0.00	ug/L	04/13/23 13:27	1
1,2,-Dibromo-3-Chloropropane	1.0		5.0	1.0	0.00	ug/L	04/13/23 13:27	
1.2-Dibromoethane (EDB)	0.50	0	1.0	0.50	0.00	ug/L	04/13/23 13:27	1
1.2-Dichlorobenzene	0.50	0	5.0	0.50	0.20	ug/L	04/13/23 13:27	1
	0.50		1.0	0.50	0.20	ug/L	04/13/23 13:27	
1.2-Dichloropropage	0.00	0	1.0	0.00	0.30	ug/L	04/13/23 13:27	1
3-Dichlorobenzene	0.00	0	5.0	1.4	0.50	ug/L	04/13/23 13:27	1
	0.60		5.0	0.60	0.00	ug/L	04/13/23 13:27	
	1.0	0	5.0 10	1.0	0.50	ug/L	04/13/23 13:27	1
	1.0	0	10	1.0	0.50	ug/L	04/13/23 13.27	1
	1.7		10	1.7	0.05	ug/L	04/13/23 13.27	1
	1.0	U	10	1.0	0.50	ug/L	04/13/23 13:27	1
	2.0		20	2.0	0.70	ug/L	04/13/23 13:21	1
	0.00		1.0	0.00	0.30	ug/L	04/13/23 13:21	· · · · · · ·
oromotionioromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
	2.0	U	4.0	2.0	1.0	ug/L	04/13/23 13:27	1
	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	ا د
	0.60	U	5.0	0.60	0.30	ug/L	04/13/23 13:27	1
Jarbon tetrachioride	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
hlorobenzene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
hloroethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
hloroform	0.44	J	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
hloromethane	1.1	U	2.0	1.1	0.55	ug/L	04/13/23 13:27	1
is-1,2-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
is-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
yclohexane	2.0	U	5.0	2.0	1.0	ug/L	04/13/23 13:27	1
bibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
thylbenzene	0.80	U	1.0	0.80	0.40	ug/L	04/13/23 13:27	1
reon 113	0.60	U	10	0.60	0.30	ug/L	04/13/23 13:27	1
sopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L	04/13/23 13:27	1
lethyl acetate	0.60	U	5.0	0.60	0.30	ug/L	04/13/23 13:27	1
lethyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
lethylcyclohexane	1.0	U	5.0	1.0	0.50	ug/L	04/13/23 13:27	1
lethylene Chloride	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
styrene	0.60	U	5.0	0.60	0.30	ug/L	04/13/23 13:27	1
etrachloroethene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
oluene	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
ans-1,2-Dichloroethene	1.4	U	2.0	1.4	0.70	ug/L	04/13/23 13:27	1
ans-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
richloroethene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:27	1
richlorofluoromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
/inyl chloride	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:27	1
Kylenes, Total	0.80	U	1.0	0.80	0.40	ug/L	04/13/23 13:27	1
Surrogate	%Recovery Qu	ualifier	Limits			Prepared	Analyzed	Dil Fac
,2-Dichloroethane-d4 (Surr)	108		81 - 118				04/13/23 13:27	1
I-Bromofluorobenzene (Surr)	94		85 - 114				04/13/23 13:27	1
Dibromofluoromethane (Surr)	98		80 - 119				04/13/23 13:27	1

Date Collected: 03/31/23 11:1 Date Received: 04/01/23 09:5	15 50							Matrix	: Water
Method: SW846 8260D - Vo	latile Organic Co	mpoun	ds (GC/MS) (Co	ntinued)					
Surrogate	%Recovery Q	ualifier	Limits			P	repared	Analyzed	Dil Fac
Toluene-d8 (Surr)			89 - 112				0.	4/13/23 13:27	1
Client Semple ID: WILLA		242022	16			ah C	omple ID	140 424	005 E
Client Sample ID: WUA	5FFINIVU1_03	512023	_LF			.ap 5): 410-121	000-0
Date Collected: 03/31/23 15:4	45							Matrix	: Water
Date Received: 04/01/23 09:5	50								
Method: SW846 8260D - Vo	latile Organic Co	mpoun	ds (GC/MS)						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,1,2-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,1-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,1-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.30	ug/L	04	4/13/23 18:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	0.30	ug/L	04	4/13/23 18:36	1
1,2-Dibromoethane (EDB)	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
1,2-Dichlorobenzene	0.50	U	5.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
1,2-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,2-Dichloropropane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
1,3-Dichlorobenzene	1.4	U	5.0	1.4	0.68	ug/L	04	4/13/23 18:36	1
1,4-Dichlorobenzene	0.60	U	5.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
2-Butanone	1.0	U	10	1.0	0.50	ug/L	04	4/13/23 18:36	1
2-Hexanone	1.7	U	10	1.7	0.85	ug/L	04	4/13/23 18:36	1
4-Methyl-2-pentanone	1.0	U	10	1.0	0.50	ug/L	04	4/13/23 18:36	1
Acetone	2.0	U	20	2.0	0.70	ug/L	04	4/13/23 18:36	1
Benzene	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Bromodichloromethane	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	
Bromoform	2.0	U	4.0	2.0	1.0	ug/L	04	4/13/23 18:36	1
Bromomethane	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Carbon disulfide	0.60	U	5.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Carbon tetrachloride	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Chlorobenzene	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Chloroethane	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	
Chloroform	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Chloromethane	1.1	U	2.0	1.1	0.55	ug/L	04	4/13/23 18:36	1
cis-1,2-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
cis-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
Cyclohexane	2.0	U	5.0	2.0	1.0	ug/L	04	4/13/23 18:36	1
Dibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L	04	4/13/23 18:36	1
Freon 113	0.60	U	10	0.60	0.30	ug/L	04	4/13/23 18:36	1
Isopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
Methyl acetate	0.60	U	5.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Methyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ug/L	04	4/13/23 18:36	1
Methylcyclohexane	1.0	U	5.0	1.0	0.50	ug/L	04	4/13/23 18:36	1
Methylene Chloride	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
Styrene	0.60	U	5.0	0.60	0.30	ug/L	04	4/13/23 18:36	
Tetrachloroethene	0.60	U	1.0	0.60	0.30	ug/L	04	4/13/23 18:36	1
						-			

Client Sample Results

Client Sample ID: EQPT-BLANK_03312023

Job ID: 410-121085-1

Lab Sample ID: 410-121085-4

5 6

Acenaphthene

Acetophenone

Benzaldehyde

Benzo[a]pyrene

Benzo[a]anthracene

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

Benzo[k]fluoranthene

Anthracene

Atrazine

Acenaphthylene

Client Sample ID: WUABFFMW01_03312023_LF Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-5 Matrix: Water

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_	
C	5
1 1	6
1 1 1	
1 1	8
c	9
1 1	
1 1	
c	
1 1	13
1 1	
1	

Method: SW846 8260D - Vo	olatile Organic C	ompound	s (GC/MS) (Co	ntinued)					
Analyte	Resul	t Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Toluene	0.50	D U	1.0	0.50	0.20	ug/L		04/13/23 18:36	1
trans-1,2-Dichloroethene	1.4	4 U	2.0	1.4	0.70	ug/L		04/13/23 18:36	1
trans-1,3-Dichloropropene	0.50	U C	1.0	0.50	0.20	ug/L		04/13/23 18:36	1
Trichloroethene	0.60	U C	1.0	0.60	0.30	ug/L		04/13/23 18:36	1
Trichlorofluoromethane	0.50	D U	1.0	0.50	0.20	ug/L		04/13/23 18:36	1
Vinyl chloride	0.50	U C	1.0	0.50	0.20	ug/L		04/13/23 18:36	1
Xylenes, Total	0.80	D U	1.0	0.80	0.40	ug/L		04/13/23 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Pre	oared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		81 - 118					04/13/23 18:36	1
4-Bromofluorobenzene (Surr)	87		85 - 114					04/13/23 18:36	1
Dibromofluoromethane (Surr)	94		80 - 119					04/13/23 18:36	1
Toluene-d8 (Surr)	96		89 - 112					04/13/23 18:36	1
Method: SW846 8270E - Se	emivolatile Orga	nic Comp	ounds (GC/MS)					
Analyte	Resul	t Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1'-Biphenyl	1.(D U	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2,2'-oxybis[1-chloropropane]	1.0	U C	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2,4,5-Trichlorophenol	1.0	U C	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2,4,6-Trichlorophenol	1.(D U	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2,4-Dichlorophenol	1.0) U*1	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2,4-Dimethylphenol	9.1	1 U*1	10	9.1	3.0	ug/L		04/07/23 22:38	1
2,4-Dinitrophenol	28	3 U	30	28	14	ug/L		04/07/23 22:38	1
2,4-Dinitrotoluene	2.0	U C	5.1	2.0	1.0	ug/L		04/07/23 22:38	1
2,6-Dinitrotoluene	1.0	D U M	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2-Chloronaphthalene	0.8	1 U	1.0	0.81	0.40	ug/L		04/07/23 22:38	1
2-Chlorophenol	1.0	U C	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2-Methylnaphthalene	0.20) U*1	0.51	0.20	0.10	ug/L		04/07/23 22:38	1
2-Methylphenol	1.() U	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
2-Nitroaniline	2.0	U C	5.1	2.0	1.0	ug/L		04/07/23 22:38	1
2-Nitrophenol	2.0	D U *1	5.1	2.0	1.0	ug/L		04/07/23 22:38	1
3,3'-Dichlorobenzidine	8.7	1 U*1	10	8.1	4.0	ug/L		04/07/23 22:38	1
4,6-Dinitro-2-methylphenol	20	U U	21	20	8.1	ug/L		04/07/23 22:38	1
4-Chloro-3-methylphenol	2.0) U *1	5.1	2.0	1.0	ug/L		04/07/23 22:38	1
4-Chloroaniline	9.7	1 U*1	10	9.1	4.0	ug/L		04/07/23 22:38	1
4-Chlorophenyl phenyl ether	1.0	D U	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
4-Methylphenol	1.0	U U	2.0	1.0	0.51	ug/L		04/07/23 22:38	1
4-Nitroaniline	2.0) U	3.0	2.0	0.91	ug/L		04/07/23 22:38	1
4-Nitrophenol	20	U C	30	20	10	ug/L		04/07/23 22:38	1

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0.10 ug/L

0.10 ug/L

1.0 ug/L

0.10 ug/L

1.0 ug/L

1.0 ug/L

0.10 ug/L

0.11 ug/L

0.10 ug/L

0.10 ug/L

0.10 ug/L

0.51

0.51

5.1

0.51

5.1

5.1

0.51

0.51

0.51

0.51

0.51

0.20

0.20

2.0

0.20

2.0

2.0

0.20

0.22

0.20

0.20

0.20

0.20 U

0.20 U

2.0 U

0.20 U

2.0 U

2.0 U

0.20 U

0.20 U

0.20 U

0.20 U

0.22 UM

04/07/23 22:38

04/07/23 22:38

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Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: WUABFFMW01_03312023_LF Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-5

Matrix: Water

Analyte	Result Qualifier		LOD	DL	Unit D	Analyzed	Dil Fac
3is(2-chloroethoxy)methane	1.0 U*1	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
Bis(2-chloroethyl)ether	1.0 U	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
3is(2-ethylhexyl) phthalate	4.0 U	5.1	4.0	2.0	ug/L	04/07/23 22:38	1
Butyl benzyl phthalate	4.0 U *1	5.1	4.0	2.0	ug/L	04/07/23 22:38	1
Caprolactam	6.1 U	7.1	6.1	3.0	ug/L	04/07/23 22:38	1
Carbazole	1.0 U	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
Chrysene	0.20 U	0.51	0.20	0.10	ug/L	04/07/23 22:38	1
ibenz(a,h)anthracene	0.20 U	0.51	0.20	0.10	ug/L	04/07/23 22:38	1
libenzofuran	1.0 U	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
viethyl phthalate	4.0 U	5.1	4.0	2.0	ug/L	04/07/23 22:38	1
imethyl phthalate	4.0 U	5.1	4.0	2.0	ug/L	04/07/23 22:38	1
i-n-butyl phthalate	4.0 U	5.1	4.0	2.0	ug/L	04/07/23 22:38	1
i-n-octyl phthalate	10 U M	11	10	5.1	ug/L	04/07/23 22:38	1
luoranthene	0.20 U	0.51	0.20	0.10	ug/L	04/07/23 22:38	1
luorene	0.24 U	0.51	0.24	0.12	ug/L	04/07/23 22:38	1
exachlorobenzene	0.22 U	0.51	0.22	0.11	ug/L	04/07/23 22:38	1
exachlorobutadiene	1.0 U *1	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
exachlorocyclopentadiene	10 U	11	10	5.1	ug/L	04/07/23 22:38	1
exachloroethane	1.0 U	5.1	1.0	0.51	ug/L	04/07/23 22:38	1
deno[1,2,3-cd]pyrene	0.22 U	0.51	0.22	0.11	ug/L	04/07/23 22:38	1
ophorone	1.0 U*1	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
aphthalene	0.10 J M *1	0.51	0.20	0.10	ug/L	04/07/23 22:38	1
itrobenzene	1.0 U*1	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
-Nitrosodi-n-propylamine	1.0 U	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
-Nitrosodiphenylamine	1.0 U	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
entachlorophenol	4.0 U	5.1	4.0	1.0	ug/L	04/07/23 22:38	1
henanthrene	0.22 U	0.51	0.22	0.11	ug/L	04/07/23 22:38	1
henol	1.0 U	2.0	1.0	0.51	ug/L	04/07/23 22:38	1
yrene	0.20 U	0.51	0.20	0.10	ug/L	04/07/23 22:38	1
urrogate	%Recovery Qualifier	l imits			Prepared	Analyzed	Dil Fac
4.6-Tribromophenol (Surr)		43 - 140			04/07/23 14:33	04/07/23 22:38	1
Fluorobiphenyl (Surr)	64	44 - 119			04/07/23 14:33	04/07/23 22:38	1
Fluorophenol (Surr)	29	19 - 119			04/07/23 14:33	04/07/23 22:38	1
itrobenzene-d5 (Surr)	 56	44 - 120			04/07/23 14.33	04/07/23 22:38	
Terphenyl-d14 (Surr)	87	50 - 134			04/07/23 14:33	04/07/23 22:38	1
henol-d5 (Surr)	20	10 - 120			04/07/23 14:33	04/07/23 22:38	1
	_~				0		,
lethod: SW846 8011 - EDB	, DBCP, and 1,2,3-TCP (0	GC)				A	B 11 -
nalyte	Result Qualifier	LOQ	LOD	DL	Unit D	Analyzed	Dil Fac
thylene Dibromide (1C)	0.019 U	0.029	0.019	0.0096	ug/L	04/06/23 11:14	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
,1,2,2-Tetrachloroethane (1C)	86	46 - 136			04/05/23 06:26	04/06/23 11:14	1
1 2 2 Tatrachlaracthana (20)	01	16 126			04/05/23 06.26	04/06/23 11.14	1

Method: EPA 300.0 - Anions, Ion Chromatography										
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
Bromide	2.5	U	3.8	2.5	1.3	mg/L		04/24/23 14:32	5	
Sulfate	28	D	7.5	5.0	2.5	mg/L		04/24/23 14:32	5	

Client Sample Results

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF Job ID: 410-121085-1

Matrix: Water

Lab Sample ID: 410-121085-5

Client Sample ID: WUABFFMW01_03312023_LF Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

Analyte	Result	Qualifier	LÓQ	LOD	DL	Unit	D	Analvzed	Dil Fac
Chloride	8.9	D	7.5	6.0	3.0	mg/L		04/24/23 14:32	5
_ Method: SW846 6010C - Metals (IC	P) - Total	Recoverabl	е						
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Calcium	32000		200	190	96	ug/L		04/10/23 20:05	1
Magnesium	4500		100	80	40	ug/L		04/10/23 20:05	1
Potassium	2900		500	410	200	ug/L		04/10/23 20:05	1
Sodium	26000		1000	480	240	ug/L		04/10/23 20:05	1
 Method: SW846 6010C - Metals (IC	P) - Disso	lved							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron Dissolved	160		210	160	82			$\frac{1000}{04/07/23}$	1
Manganese Dissolved	190	•	10	62	31	ua/l		04/07/23 10:00	. 1
Method: SW846 6020A - Metals (IC Analyte	P/MS) - To Result	Otal Recove	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Arsenic	0.98	J	2.0	1.7	0.68	ug/L		04/10/23 08:11	1
Lead	0.20	U	0.50	0.20	0.071	ug/L		04/10/23 08:11	1
– General Chemistry									
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	110		8.0	6.0	2.6	mg/L		04/05/23 07:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	6.0	U	8.0	6.0	2.6	mg/L		04/05/23 07:28	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	110		8.0	6.0	2.6	mg/L		04/05/23 07:28	1
Nitrate as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		04/03/23 07:05	1
Nitrate Nitrite as N (EPA 353.2)	0.090	U	0.10	0.090	0.040	mg/L		04/08/23 09:12	1
						•			

Client Sample ID: FIELD-BLANK_03312023 Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-6

Matrix: Water

Method: SW846 8260D - Vola	tile Organic Co	mpounds (GC/MS)						
Analyte	Result	Qualifier	LÓQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,1,2-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,1-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,1-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.30	ug/L		04/13/23 13:49	1
1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	0.30	ug/L		04/13/23 13:49	1
1,2-Dibromoethane (EDB)	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 13:49	1
1,2-Dichlorobenzene	0.50	U	5.0	0.50	0.20	ug/L		04/13/23 13:49	1
1,2-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,2-Dichloropropane	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 13:49	1
1,3-Dichlorobenzene	1.4	U	5.0	1.4	0.68	ug/L		04/13/23 13:49	1
1,4-Dichlorobenzene	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 13:49	1
2-Butanone	1.0	U	10	1.0	0.50	ug/L		04/13/23 13:49	1
2-Hexanone	1.7	U	10	1.7	0.85	ug/L		04/13/23 13:49	1

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Client Sample Results

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: FIELD-BLANK_03312023 Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-6 Matrix: Water

Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D Analyzed	Dil Fac
l-Methyl-2-pentanone	1.0	U	10	1.0	0.50	ug/L	04/13/23 13:49	1
Acetone	1.4	J	20	2.0	0.70	ug/L	04/13/23 13:49	1
Benzene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
Bromodichloromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
Bromoform	2.0	U	4.0	2.0	1.0	ug/L	04/13/23 13:49	1
Bromomethane	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
Carbon disulfide	0.60	U	5.0	0.60	0.30	ug/L	04/13/23 13:49	1
Carbon tetrachloride	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
Chlorobenzene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
Chloroethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
Chloroform	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
Chloromethane	1.1	U	2.0	1.1	0.55	ug/L	04/13/23 13:49	1
is-1,2-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
is-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
Cyclohexane	2.0	U	5.0	2.0	1.0	ug/L	04/13/23 13:49	1
Dibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
thylbenzene	0.80	U	1.0	0.80	0.40	ug/L	04/13/23 13:49	1
Freon 113	0.60	U	10	0.60	0.30	ug/L	04/13/23 13:49	1
sopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L	04/13/23 13:49	1
lethyl acetate	0.60	U	5.0	0.60	0.30	ug/L	04/13/23 13:49	1
lethyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
lethylcyclohexane	1.0	U	5.0	1.0	0.50	ug/L	04/13/23 13:49	1
lethylene Chloride	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
Styrene	0.60	U	5.0	0.60	0.30	ug/L	04/13/23 13:49	1
etrachloroethene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
oluene	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
ans-1,2-Dichloroethene	1.4	U	2.0	1.4	0.70	ug/L	04/13/23 13:49	1
ans-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
richloroethene	0.60	U	1.0	0.60	0.30	ug/L	04/13/23 13:49	1
richlorofluoromethane	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
/inyl chloride	0.50	U	1.0	0.50	0.20	ug/L	04/13/23 13:49	1
(ylenes, Total	0.80	U	1.0	0.80	0.40	ug/L	04/13/23 13:49	1
Surrogate	%Recovery Qu	alifier	Limits			Prepared	Analyzed	Dil Fac
,2-Dichloroethane-d4 (Surr)	104		81 - 118				04/13/23 13:49	1
1-Bromofluorobenzene (Surr)	92		85 - 114				04/13/23 13:49	1
Dibromofluoromethane (Surr)	94		80 - 119				04/13/23 13:49	1
Toluene-d8 (Surr)	99		89 - 112				04/13/23 13:49	1

Surrogate Summary

Method: 8260D - Volatile Organic Compounds (GC/MS) Matrix: Water

		Percent Surrogate Recovery (Acceptance Limit							
		DCA	BFB	DBFM	TOL				
Lab Sample ID	Client Sample ID	(81-118)	(85-114)	(80-119)	(89-112)				
410-121085-1	WUABFFMW01_03312023_PDI	105	87	95	98				
410-121085-2	EQPT-PUMP_20230329	103	92	93	101				
410-121085-3	EQPT-TAPE_03312023	107	94	94	91				
410-121085-4	EQPT-BLANK_03312023	108	94	98	103				
410-121085-5	WUABFFMW01_03312023_LF	99	87	94	96				
410-121085-6	FIELD-BLANK_03312023	104	92	94	99				
LCS 410-363430/4	Lab Control Sample	101	96	92	102				
LCS 410-363895/4	Lab Control Sample	100	97	90	100				
MB 410-363430/6	Method Blank	105	93	94	99				
MB 410-363895/6	Method Blank	105	96	91	104				

DCA = 1,2-Dichloroethane-d4 (Surr) BFB = 4-Bromofluorobenzene (Surr) DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) Matrix: Water

_		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	TPHd14	PHL		
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(50-134)	(10-120)		
410-121085-1	WUABFFMW01_03312023_PDI	70	76	40	65	87	26		
410-121085-5	WUABFFMW01_03312023_LF	68	64	29	56	87	20		
LCS 410-362150/2-A	Lab Control Sample	87	91	54	79	98	36		
LCSD 410-362150/3-A	Lab Control Sample Dup	79	74	47	57	84	32		
MB 410-362150/1-A	Method Blank	89	86	40	71	96	27		

Surrogate Legend TBP = 2,4,6-Tribromophenol (Surr) FBP = 2-Fluorobiphenyl (Surr) 2FP = 2-Fluorophenol (Surr) NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) Matrix: Water

		Percent Surrogate Recovery (Acceptance Limits)						
		1122TCA1	1122TCA2					
Lab Sample ID	Client Sample ID	(46-136)	(46-136)					
410-121085-1	WUABFFMW01_03312023_PDI	80	91					
410-121085-5	WUABFFMW01_03312023_LF	86	91					
LCS 410-360964/2-A	Lab Control Sample	82	80					
LCSD 410-360964/3-A	Lab Control Sample Dup	89	83					
MB 410-360964/1-A	Method Blank	96	88					
Surrogate Legend								

1122TCA = 1,1,2,2-Tetrachloroethane

Prep Type: Total/NA

2 3 4 5 6 7 8 9 10 11 12

Prep Type: Total/NA

Prep Type: Total/NA

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8260D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-363430/6 Matrix: Water

Analysis Batch: 363430

Analyce Result Qualifier LOQ LO DI De Analyzed Dil Fac 1,1,2-Trichtoroethane 0.60 U 1.0 0.60 0.30 ugl. 04/12/3 10:22 1 1,1,2-Trichtoroethane 0.60 U 1.0 0.60 0.30 ugl. 04/12/3 10:22 1 1,1-Dichtoroethane 0.60 U 1.0 0.60 0.30 ugl. 04/12/3 10:22 1 1,1-Dichtoroethane 0.60 U 1.0 0.60 0.30 ugl. 04/12/3 10:22 1 1,2-Dichtorobenzene 1.0 U 5.0 1.0 0.30 ugl. 04/12/3 10:22 1 1,2-Dichtorobenzene 0.60 U 1.0 0.60 0.30 ugl. 04/12/3 10:22 1 1,2-Dichtorobenzene 0.60 U 1.0 0.60 0.30 ugl. 04/12/3 10:22 1 1,2-Dichtorobenzene 0.60 U 1.0 0.60 0.30 ugl.		MB	MB							
1,1,1-Tinchoroethane 0.60 U 1.0 0.60 0.30 ug/L 04/1/223 10.22 1 1,1,2-Tinchoroethane 0.60 U 1.0 0.60 0.30 ug/L 04/1223 10.22 1 1,1-Dichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/1223 10.22 1 1,1-Dichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/1223 10.22 1 1,2-Arinchoroethane 1.0 U 5.0 1.0 0.30 ug/L 04/1223 10.22 1 1,2-Dichoroethane 0.60 U 1.0 0.50 0.20 ug/L 04/1223 10.22 1 1,2-Dichoroethane 0.60 U 1.0 0.60 0.30 ug/L 04/1223 10.22 1 1,2-Dichoroethane 0.60 U 1.0 0.60 0.30 ug/L 04/1223 10.22 1 1,2-Dichoroethane 0.60 U 1.0 0.60 0.30 ug/L	Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
1,1,2,2-Tichkoncethane 0.60 U 1,0 0.60 0.30 upL 04/12/23 10.22 1 1,1-Dichkoncethane 0.60 U 1.0 0.60 0.30 upL 04/12/23 10.22 1 1,1-Dichkoncethane 0.60 U 1.0 0.60 0.30 upL 04/12/23 10.22 1 1,2-Dichoncethane 0.60 U 5.0 1.0 0.30 upL 04/12/23 10.22 1 1,2-Dichoncethane 0.50 U 5.0 0.50 0.20 upL 04/12/23 10.22 1 1,2-Dichoncethane 0.50 U 1.0 0.50 0.20 upL 04/12/23 10.22 1 1,2-Dichoncethane 0.60 U 1.0 0.60 0.30 upL 04/12/23 10.22 1 1,2-Dichoncethane 0.60 U 1.0 0.60 0.30 upL 04/12/23 10.22 1 1,3-Dichoncethane 0.60 0.30 upL 04/12/23 10.22 1 1 1,4-Dichlorobethane 1.0 0 0 0.00 0.30	1,1,1-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1,1,2-Tickloroethane 0.60 U 1.0 0.60 0.30 ugl, 04/12/23 10.22 1 1,1-Dickloroethane 0.60 U 1.0 0.60 0.30 ugl, 04/12/23 10.22 1 1,2,4-Tichlorobenzene 1.0 U 5.0 1.0 0.30 ugl, 04/12/23 10.22 1 1,2-Dichoroschane 0.0 U 5.0 1.0 0.30 ugl, 04/12/23 10.22 1 1,2-Dichlorobenzene 0.50 U 5.0 0.50 0.20 ugl, 04/12/23 10.22 1 1,2-Dichlorobenzene 0.60 U 1.0 0.66 0.30 ugl, 04/12/23 10.22 1 1,2-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ugl, 04/12/23 10.22 1 1,2-Dichlorobenzene 1.0 0 0.60 0.30 ugl, 04/12/23 10.22 1 1,2-Dichlorobenzene 1.0 0 1.0 0.60 0.30 ugl, 04/12/23 10.22 1 1,2-Dichlorobenzene 0.0 U 1.0 <	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1.1-Dichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10.22 1 1.2-Dichloroethane 1.0 0 0.60 0.30 ug/L 04/12/23 10.22 1 1.2-Dichlorobenzene 1.0 U 5.0 1.0 0.30 ug/L 04/12/23 10.22 1 1.2-Dichlorobenzene 0.50 U 5.0 0.50 0.20 ug/L 04/12/23 10.22 1 1.2-Dichlorobenzene 0.60 U 1.0 0.66 0.30 ug/L 04/12/23 10.22 1 1.2-Dichlorobenzene 0.60 U 1.0 0.66 0.30 ug/L 04/12/23 10.22 1 1.2-Dichloropopane 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10.22 1 1.4-Dichlorobenzene 1.0 U 10 1.0 0.60 0.30 ug/L 04/12/23 10.22 1 2-Hexanone 1.7 U 10 1.0 0.50 ug/L 04/12/23 10.22 1 Acetone 2.0 U 1.0 0.50	1,1,2-Trichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1.1-Dickinorebarane 1.0 0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.2.4-Trickinorebarane 1.0 0 5.0 1.0 0.30 ug/L 0.4/12/23 10:22 1 1.2-Ditromo-3-Chiorapropane 0.50 0 0.50 0.20 ug/L 0.4/12/23 10:22 1 1.2-Dichioroberane 0.50 0 0.50 0.20 ug/L 0.4/12/23 10:22 1 1.2-Dichioroberane 0.60 0 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.2-Dichioroberane 0.60 0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.4-Dichioroberane 0.60 0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.4-Dichioroberane 0.60 0 0.60 0.30 ug/L 0.4/12/23 10:22 1 2-Hexanone 1.0 0 10 1.7 0.85 ug/L 0.4/12/23 10:22 1 2-Hexanone 1.0 0 0 0.0 0.0 0.0 0.0 0.0 0.	1,1-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1.2.4-Trichicrobenzene 1.0 0 5.0 1.0 0.30 ug/L 0.4/12/23 10:22 1 1.2-Dibromo-3-Chloropropane 1.0 0 5.0 1.0 0.30 ug/L 0.4/12/23 10:22 1 1.2-Dibromo-transe 0.50 0 5.0 0.50 0.20 ug/L 0.4/12/23 10:22 1 1.2-Dichloroperane 0.60 0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.2-Dichloropropane 0.60 0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.3-Dichloroperzene 1.4 0 5.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 1.4-Dichloroberzene 0.60 U 1.0 0.50 ug/L 0.4/12/23 10:22 1 2-Butanone 1.0 U 10 1.0 0.50 ug/L 0.4/12/23 10:22 1 4-Methyl-zpentanone 1.0 U 10 0.50 0.30 ug/L 0.4/12/23 10:22 1 Bromodichoromethane 0.60 U 1.0 0.60 0.30	1,1-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1.2-Ditromo-3-Chloropropane 1.0 5.0 1.0 0.30 ug/L 04/12/23 10:22 1 1.2-Ditromoethane (EDB) 0.50 0 5.0 0.50 0.20 ug/L 04/12/23 10:22 1 1.2-Ditrobrotenzene 0.60 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 1.2-Ditrobrotenzene 0.60 0 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 1.2-Ditrobrotenzene 0.60 0 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 1.4-Ditrobrotenzene 1.0 0 0.60 0.30 ug/L 04/12/23 10:22 1 1.4-Ditrobrotenzene 1.0 0 1.0 0.50 0.60 0.30 ug/L 04/12/23 10:22 1 2-Butanone 1.7 0 1.7 0.88 ug/L 04/12/23 10:22 1 2-Hexanoe 1.0 0 0.0 0.00 0.00 0.00 0.00 0.01 0.00 0.01 0.01 0.00 0.01 0.01 0.00 0.01	1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.30	ug/L		04/12/23 10:22	1
1.2-Dichloromoethane (EDB) 0.50 U 1.0 0.50 0.20 ug/L 0.4/12/23 1.2 1.2-Dichlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 1.2 1.2-Dichlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 1.2 1.3-Dichlorobenzene 1.4 U 5.0 1.4 0.68 ug/L 0.4/12/23 1.2 1.4-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ug/L 0.4/12/23 1.2 1.4-Dichlorobenzene 1.0 U 10 1.0 0.50 ug/L 0.4/12/23 1.2 1 2-Hexanone 1.7 U 10 1.0 0.50 ug/L 0.4/12/23 1.2 1 Acetone 2.0 U 1.0 0.50 0.20 ug/L 0.4/12/23 1.2 1 Bromocinformethane 0.50 U 1.0 0.50 0.20 ug/L 0.4/12/23 1.2 1 Graton disuffié 0.60	1,2-Dibromo-3-Chloropropane	1.0	U	5.0	1.0	0.30	ug/L		04/12/23 10:22	1
1,2-Dichlorobenzene 0.60 U 5.0 0.20 ug/L 0.4/12/23 10.22 1 1,2-Dichloroptane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10.22 1 1,3-Dichloroptane 0.60 U 5.0 1.4 0.68 ug/L 0.4/12/23 10.22 1 1,4-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ug/L 0.4/12/23 10.22 1 2-Butanone 1.0 U 10 1.0 0.50 ug/L 0.4/12/23 10.22 1 4-Methyl-2-pentanone 1.0 U 10 1.0 0.50 ug/L 0.4/12/23 10.22 1 Acetone 2.0 U 2.0 0.70 ug/L 0.4/12/23 10.22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10.22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10.22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30	1,2-Dibromoethane (EDB)	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
1,2-Dichlorogepane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 1,2-Dichloropepane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 1,3-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 1.3-Dichlorobenzene 1.0 U 10 1.0 0.50 ug/L 04/12/23 10:22 1 2-Hexanone 1.7 U 10 1.7 0.85 ug/L 04/12/23 10:22 1 Acetone 2.0 U 2.0 0.70 ug/L 04/12/23 10:22 1 Benzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.50 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30	1,2-Dichlorobenzene	0.50	U	5.0	0.50	0.20	ug/L		04/12/23 10:22	1
1,2-Dichloropopane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10.222 1 1,3-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10.22 1 2-Butanone 1.0 U 10 1.0 0.50 ug/L 04/12/23 10.22 1 2-Hexanone 1.7 U 10 1.7 0.50 ug/L 04/12/23 10.22 1 4-Methyl-2-pentanone 1.0 U 10 1.0 0.50 ug/L 04/12/23 10.22 1 Acetone 2.0 U 2.0 0.70 ug/L 04/12/23 10.22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10.22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10.22 1 Carbon tetrachidride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10.22 1	1,2-Dichloroethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1,3-Dichlorobenzene 1.4 U 5.0 1.4 0.68 ug/L 0.4/12/23 10:22 1 1,4-Dichlorobenzene 0.60 U 1.0 0.00 0.30 ug/L 0.4/12/23 10:22 1 2-Hexanone 1.7 U 1.0 1.7 0.85 ug/L 0.4/12/23 10:22 1 4-Methyl-2-pentanone 1.0 U 1.0 0.50 ug/L 0.4/12/23 10:22 1 Acetone 2.0 U 2.0 0.70 ug/L 0.4/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1	1,2-Dichloropropane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
1,4-Dichlorobenzene 0.60 0 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 2-Butanone 1.0 U 10 1.7 0.85 ug/L 04/12/23 10:22 1 2-Hexanone 1.7 U 10 1.7 0.85 ug/L 04/12/23 10:22 1 Acetone 2.0 U 20 2.0 0.70 ug/L 04/12/23 10:22 1 Acetone 2.0 U 1.0 0.50 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Carbon tetrachloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Ch	1,3-Dichlorobenzene	1.4	U	5.0	1.4	0.68	ug/L		04/12/23 10:22	1
2-Butanone 1.0 U 10 1.0 0.50 ug/L 04/12/23 10:22 1 2-Hexanone 1.0 U 10 1.7 0.55 ug/L 04/12/23 10:22 1 4-Methyl-2-pentanone 2.0 U 20 2.0 0.70 ug/L 04/12/23 10:22 1 Acetone 2.0 U 2.0 0.70 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.50 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodisulfide 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L <td>1,4-Dichlorobenzene</td> <td>0.60</td> <td>U</td> <td>5.0</td> <td>0.60</td> <td>0.30</td> <td>ug/L</td> <td></td> <td>04/12/23 10:22</td> <td>1</td>	1,4-Dichlorobenzene	0.60	U	5.0	0.60	0.30	ug/L		04/12/23 10:22	1
2-Hexanone 1.7 U 10 1.7 0.85 ug/L 04/12/23 10:22 1 4-Methyl-2-pentanone 1.0 U 20 2.0 0.70 ug/L 04/12/23 10:22 1 Acetone 2.0 U 20 2.0 0.70 ug/L 04/12/23 10:22 1 Benzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.50 U 4.0 2.0 1.0 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 4.0 0.20 ug/L 04/12/23 10:22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L	2-Butanone	1.0	U	10	1.0	0.50	ug/L		04/12/23 10:22	1
4-Methyl-2-pentanone 1.0 U 10 1.0 0.50 ug/L 04/12/23 10:22 1 Acetone 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Benzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 4.0 0.0 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.60 U 4.0 2.0 1.0 ug/L 04/12/23 10:22 1 Carbon tetrachloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobethane 0.50 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 cis-1,3-Dichloroptonen 0.50 U 1.0 0.60	2-Hexanone	1.7	U	10	1.7	0.85	ug/L		04/12/23 10:22	1
Acetone 2.0 U 20 2.0 0.70 ug/L 0.4/12/23 10:22 1 Benzene 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Bromofin 2.0 U 1.0 0.50 0.20 ug/L 0.4/12/23 10:22 1 Bromofin 2.0 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Carbon tetrachloride 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Chlorobertane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Chlorobertane 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 cis-1,2-Dichloroethene 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 <td< td=""><td>4-Methyl-2-pentanone</td><td>1.0</td><td>U</td><td>10</td><td>1.0</td><td>0.50</td><td>ug/L</td><td></td><td>04/12/23 10:22</td><td>1</td></td<>	4-Methyl-2-pentanone	1.0	U	10	1.0	0.50	ug/L		04/12/23 10:22	1
Benzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Bromodichloromethane 0.50 U 4.0 0.50 0.20 ug/L 04/12/23 10:22 1 Bromoform 2.0 U 4.0 2.0 1.0 ug/L 04/12/23 10:22 1 Bromorethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Carbon disulfide 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Charbon tetrachloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chloroform 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chloroform 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Cibloroforthane 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22	Acetone	2.0	U	20	2.0	0.70	ug/L		04/12/23 10:22	1
Bromodichloromethane 0.50 U 1.0 0.50 0.20 ug/L 0.4/12/23 10:22 1 Bromoofrm 2.0 U 4.0 2.0 1.0 ug/L 0.4/12/23 10:22 1 Bromodisulfide 0.60 U 5.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Carbon disulfide 0.60 U 5.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Chloroberzene 0.60 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Chlorobertane 0.50 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Chlorobertane 0.50 U 1.0 0.60 0.30 ug/L 0.4/12/23 10:22 1 Chlorobertane 1.1 U 2.0 1.1 0.55 0.20 ug/L 0.4/12/23 10:22 1 Cyclohexane 2.0 U 1.0 0.50 0.20 ug/L 0.4	Benzene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
Bromoform 2.0 U 4.0 2.0 1.0 u/L 04/12/23 10:22 1 Bromomethane 0.60 U 1.0 0.60 0.30 u/L 04/12/23 10:22 1 Carbon disulfide 0.60 U 5.0 0.60 0.30 u/L 04/12/23 10:22 1 Carbon tetrachloride 0.60 U 1.0 0.60 0.30 u/L 04/12/23 10:22 1 Chloroberzene 0.60 U 1.0 0.60 0.30 u/L 04/12/23 10:22 1 Chloromethane 1.1 U 2.0 1.1 0.55 u/L 04/12/23 10:22 1 Chloromethane 1.1 U 2.0 1.1 0.55 u/L 04/12/23 10:22 1 cis-1.3-Dichloropropene 0.50 U 1.0 0.50 0.20 u/L 04/12/23 10:22 1 Cyclohexane 2.0 U 1.0 0.50 0.20 u/L 04/12/23 10:22 1 <td>Bromodichloromethane</td> <td>0.50</td> <td>U</td> <td>1.0</td> <td>0.50</td> <td>0.20</td> <td>ug/L</td> <td></td> <td>04/12/23 10:22</td> <td>1</td>	Bromodichloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Bromomethane 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Carbon disulfide 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Carbon tetrachloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chlorobenzene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chloroform 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chloroform 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Cis-1,2-Dichloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 cis-1,3-Dichloropropene 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Dibromochloromethane 0.50 U 1.0 0.50 0.20 ug/L 04/	Bromoform	2.0	U	4.0	2.0	1.0	ug/L		04/12/23 10:22	1
Carbon disulfide0.60U5.00.600.30ug/L04/12/2310:221Carbon tetrachloride0.60U1.00.600.30ug/L04/12/2310:221Chlorobenzene0.60U1.00.600.30ug/L04/12/2310:221Chloroethane0.50U1.00.600.30ug/L04/12/2310:221Chloroethane0.60U1.00.600.30ug/L04/12/2310:221Chloroethane1.1U2.01.10.55ug/L04/12/2310:221Cis-1,2-Dichloroethene0.60U1.00.600.30ug/L04/12/2310:221cis-1,3-Dichloroppopene0.50U1.00.600.30ug/L04/12/2310:221Cyclohexane2.0U5.02.01.0ug/L04/12/2310:221Dibromochloromethane0.50U1.00.500.20ug/L04/12/2310:221Dichorodifluoromethane0.50U1.00.500.20ug/L04/12/2310:221Ichloroethene0.60U1.00.500.20ug/L04/12/2310:221Dichorodifluoromethane0.50U1.00.500.20ug/L04/12/2310:221Ichloroethene0.60U1.00.600.30ug/L<	Bromomethane	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
Carbon tetrachloride0.60U1.00.600.30ug/L04/12/2310:221Chlorobenzene0.60U1.00.600.30ug/L04/12/2310:221Chloroethane0.50U1.00.500.20ug/L04/12/2310:221Chloroform0.60U1.00.600.30ug/L04/12/2310:221Chloroform0.60U1.00.600.30ug/L04/12/2310:221Chloroform0.60U1.00.600.30ug/L04/12/2310:221Chloroform0.60U1.00.600.30ug/L04/12/2310:221Chloroform0.60U1.00.600.30ug/L04/12/2310:221Chloroform0.50U1.00.500.20ug/L04/12/2310:221Chloroform0.50U5.02.01.00.4/12/2310:221Dibromochloromethane0.50U1.00.500.20ug/L04/12/2310:221Dibromochloromethane0.50U1.00.500.20ug/L04/12/2310:221Dibromochloromethane0.50U1.00.600.30ug/L04/12/2310:221Ibromochloromethane0.50U1.00.600.30ug/L04/12/2310:221<	Carbon disulfide	0.60	U	5.0	0.60	0.30	ug/L		04/12/23 10:22	1
Chlorobenzene0.60U1.00.600.30ug/L04/12/2310:221Chloroethane0.50U1.00.500.20ug/L04/12/2310:221Chloroform0.60U1.00.600.30ug/L04/12/2310:221Chloromethane1.1U2.01.10.55ug/L04/12/2310:221cis-1,2-Dichloroethene0.60U1.00.600.30ug/L04/12/2310:221cis-1,3-Dichloropropene0.50U1.00.500.20ug/L04/12/2310:221Cyclohexane2.0U5.02.01.0ug/L04/12/2310:221Dichorodifluoromethane0.50U1.00.500.20ug/L04/12/2310:221Dichorodifluoromethane0.50U1.00.500.20ug/L04/12/2310:221Ethylbenzene0.80U1.00.500.20ug/L04/12/2310:221Sopropylbenzene0.50U1.00.600.30ug/L04/12/2310:221Methyl acetate0.60U5.00.600.30ug/L04/12/2310:221Methyl acetate0.60U5.00.600.30ug/L04/12/2310:221Methylene Chloride0.60U1.00.600.30ug/L04	Carbon tetrachloride	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
Chloroethane 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Chloroform 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Chloromethane 1.1 U 2.0 1.1 0.55 ug/L 04/12/23 10:22 1 cis-1,2-Dichloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 cis-1,3-Dichloropthene 0.50 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Cyclohexane 2.0 U 5.0 2.0 1.0 ug/L 04/12/23 10:22 1 Dibromochloromethane 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Ethylbenzene 0.80 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Isopropylbenzene 0.80 U 1.0 0.80 0.40 ug/L 04/12/23 10:22 </td <td>Chlorobenzene</td> <td>0.60</td> <td>U</td> <td>1.0</td> <td>0.60</td> <td>0.30</td> <td>ug/L</td> <td></td> <td>04/12/23 10:22</td> <td>1</td>	Chlorobenzene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
Chloroform0.60U1.00.600.30u/L04/12/2310:221Chloromethane1.1U2.01.10.55u/L04/12/2310:221cis-1,2-Dichloroethene0.60U1.00.600.30u/L04/12/2310:221cis-1,3-Dichloropropene0.50U1.00.500.20u/L04/12/2310:221Cyclohexane2.0U5.02.01.0u/L04/12/2310:221Dibromochloromethane0.50U1.00.500.20u/L04/12/2310:221Dichlorodifluoromethane0.50U1.00.500.20u/L04/12/2310:221Ethylbenzene0.80U1.00.800.40u/L04/12/2310:221Isopropylbenzene0.50U1.00.600.30u/L04/12/2310:221Methyl acetate0.60U5.00.600.30u/L04/12/2310:221Methylene Chloride0.60U1.00.500.20u/L04/12/2310:221Methylene Chloride0.60U1.00.500.20u/L04/12/2310:221Methylene Chloride0.60U1.00.600.30u/L04/12/2310:221Styrene0.60U5.00.600.30u/L04/12/23 <td>Chloroethane</td> <td>0.50</td> <td>U</td> <td>1.0</td> <td>0.50</td> <td>0.20</td> <td>ug/L</td> <td></td> <td>04/12/23 10:22</td> <td>1</td>	Chloroethane	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Chloromethane1.1U2.01.10.55ug/L04/12/23 10:221cis-1,2-Dichloroethene0.60U1.00.600.30ug/L04/12/23 10:221cis-1,3-Dichloropropene0.50U1.00.500.20ug/L04/12/23 10:221Cyclohexane2.0U5.02.01.0ug/L04/12/23 10:221Dibromochloromethane0.50U1.00.500.20ug/L04/12/23 10:221Dichlorodifluoromethane0.50U1.00.500.20ug/L04/12/23 10:221Ethylbenzene0.80U1.00.600.30ug/L04/12/23 10:221Isopropylbenzene0.60U1.00.600.30ug/L04/12/23 10:221Methyl acetate0.60U5.00.600.30ug/L04/12/23 10:221Methylene Chloride0.60U5.00.600.30ug/L04/12/23 10:221Methylene Chloride0.60U5.00.600.30ug/L04/12/23 10:221Methylene Chloride0.60U5.00.600.30ug/L04/12/23 10:221Styrene0.60U5.00.600.30ug/L04/12/23 10:221Tetrachloroethene0.60U5.00.600.30ug/L04/12/23 10:221	Chloroform	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
cis-1,2-Dichloroethene0.60U1.00.600.30ug/L04/12/2310:221cis-1,3-Dichloropropene0.50U1.00.500.20ug/L04/12/2310:221Cyclohexane2.0U5.02.01.0ug/L04/12/2310:221Dibromochloromethane0.50U1.00.500.20ug/L04/12/2310:221Dichlorodifluoromethane0.50U1.00.500.20ug/L04/12/2310:221Ethylbenzene0.80U1.00.500.20ug/L04/12/2310:221Freon 1130.60U1.00.600.30ug/L04/12/2310:221Isopropylbenzene0.50U1.00.600.30ug/L04/12/2310:221Methyl acetate0.60U5.00.500.20ug/L04/12/2310:221Methyl tert-butyl ether0.50U5.00.500.20ug/L04/12/2310:221Methylene Chloride0.60U1.00.500.20ug/L04/12/2310:221Methylene Chloride0.60U1.00.500.20ug/L04/12/2310:221Methylene Chloride0.60U1.00.600.30ug/L04/12/2310:221Tetrachloroethene0.60U5.00.600.3	Chloromethane	1.1	U	2.0	1.1	0.55	ug/L		04/12/23 10:22	1
cis-1,3-Dichloropropene0.50U1.00.50U.020U/U0/1/12/2310:221Cyclohexane2.0U5.02.01.0ug/L0/4/12/2310:221Dibromochloromethane0.50U1.00.500.20ug/L0/4/12/2310:221Dichlorodifluoromethane0.50U1.00.500.20ug/L0/4/12/2310:221Ethylbenzene0.80U1.00.500.20ug/L0/4/12/2310:221Freon 1130.60U1.00.600.30ug/L0/4/12/2310:221Isopropylbenzene0.50U5.00.500.20ug/L0/4/12/2310:221Methyl acetate0.60U5.00.600.30ug/L0/4/12/2310:221Methyl tert-butyl ether0.50U5.00.600.30ug/L0/4/12/2310:221Methylene Chloride0.60U5.01.00.50ug/L0/4/12/2310:221Styrene0.60U5.00.600.30ug/L0/4/12/2310:221Tetrachloroethene0.60U5.00.600.30ug/L0/4/12/2310:22110.600.30ug/L0/4/12/2310:2211110:2310:22110.600.600.30ug/L0/4/12/23 <td>cis-1.2-Dichloroethene</td> <td>0.60</td> <td>U</td> <td>1.0</td> <td>0.60</td> <td>0.30</td> <td>ua/L</td> <td></td> <td>04/12/23 10:22</td> <td>1</td>	cis-1.2-Dichloroethene	0.60	U	1.0	0.60	0.30	ua/L		04/12/23 10:22	1
Cyclohexane2.0U5.02.01.0ug/L04/12/23 10:221Dibromochloromethane0.50U1.00.500.20ug/L04/12/23 10:221Dichlorodifluoromethane0.50U1.00.500.20ug/L04/12/23 10:221Ethylbenzene0.80U1.00.800.40ug/L04/12/23 10:221Freon 1130.60U100.600.30ug/L04/12/23 10:221Isopropylbenzene0.50U5.00.500.20ug/L04/12/23 10:221Methyl acetate0.60U5.00.500.20ug/L04/12/23 10:221Methyl tert-butyl ether0.50U5.00.600.30ug/L04/12/23 10:221Methylene Chloride0.60U1.00.600.30ug/L04/12/23 10:221Styrene0.60U5.00.600.30ug/L04/12/23 10:221Tetrachloroethene0.60U1.00.600.30ug/L04/12/23 10:221	cis-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Dibromochloromethane 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Dichlorodifluoromethane 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Ethylbenzene 0.80 U 1.0 0.80 0.40 ug/L 04/12/23 10:22 1 Freon 113 0.60 U 10 0.60 0.30 ug/L 04/12/23 10:22 1 Isopropylbenzene 0.50 U 10 0.60 0.30 ug/L 04/12/23 10:22 1 Methyl acetate 0.60 U 10 0.60 0.30 ug/L 04/12/23 10:22 1 Methyl acetate 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Methyl cyclohexane 1.0 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Methylene Chloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22	Cyclohexane	2.0	U	5.0	2.0	1.0	ug/L		04/12/23 10:22	1
Dichlorodifluoromethane0.50U1.00.500.20ug/L04/12/23 10:221Ethylbenzene0.80U1.00.800.40ug/L04/12/23 10:221Freon 1130.60U100.600.30ug/L04/12/23 10:221Isopropylbenzene0.50U5.00.500.20ug/L04/12/23 10:221Methyl acetate0.60U5.00.600.30ug/L04/12/23 10:221Methyl tert-butyl ether0.50U5.00.600.30ug/L04/12/23 10:221Methylcyclohexane1.0U5.01.00.500.20ug/L04/12/23 10:221Methylene Chloride0.60U1.00.600.30ug/L04/12/23 10:221Styrene0.60U5.00.600.30ug/L04/12/23 10:221Tetrachloroethene0.60U1.00.600.30ug/L04/12/23 10:221	Dibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Ethylbenzene0.80U1.00.800.40ug/L04/12/23 10:221Freon 1130.60U100.600.30ug/L04/12/23 10:221Isopropylbenzene0.50U5.00.500.20ug/L04/12/23 10:221Methyl acetate0.60U5.00.600.30ug/L04/12/23 10:221Methyl tert-butyl ether0.50U5.00.600.30ug/L04/12/23 10:221Methylcyclohexane1.0U5.01.00.50ug/L04/12/23 10:221Methylene Chloride0.60U5.01.00.50ug/L04/12/23 10:221Styrene0.60U5.00.600.30ug/L04/12/23 10:221Tetrachloroethene0.60U1.00.600.30ug/L04/12/23 10:221	Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Freon 1130.60U100.600.30ug/L04/12/2310:221Isopropylbenzene0.50U5.00.500.20ug/L04/12/2310:221Methyl acetate0.60U5.00.600.30ug/L04/12/2310:221Methyl tert-butyl ether0.50U1.00.500.20ug/L04/12/2310:221Methylcyclohexane1.0U5.01.00.50ug/L04/12/2310:221Methylene Chloride0.60U1.00.600.30ug/L04/12/2310:221Styrene0.60U5.00.600.30ug/L04/12/2310:221Tetrachloroethene0.60U1.00.600.30ug/L04/12/2310:221	Ethvlbenzene	0.80	U	1.0	0.80	0.40	ua/L		04/12/23 10:22	1
Isopropylbenzene0.50U5.00.500.20ug/L04/12/2310:221Methyl acetate0.60U5.00.600.30ug/L04/12/2310:221Methyl tert-butyl ether0.50U1.00.500.20ug/L04/12/2310:221Methyl cyclohexane1.0U5.01.00.50ug/L04/12/2310:221Methylene Chloride0.60U1.00.600.30ug/L04/12/2310:221Styrene0.60U5.00.600.30ug/L04/12/2310:221Tetrachloroethene0.60U1.00.600.30ug/L04/12/2310:221	Freon 113	0.60	U	10	0.60	0.30	ug/L		04/12/23 10:22	
Methyl acetate 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Methyl tert-butyl ether 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Methyl tert-butyl ether 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Methylcyclohexane 1.0 U 5.0 1.0 0.50 ug/L 04/12/23 10:22 1 Methylene Chloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Styrene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Tetrachloroethene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1	Isopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L		04/12/23 10:22	1
Methyl tert-butyl ether 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1 Methylcyclohexane 1.0 U 5.0 1.0 0.50 ug/L 04/12/23 10:22 1 Methylcyclohexane 1.0 U 5.0 1.0 0.50 ug/L 04/12/23 10:22 1 Methylene Chloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Styrene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Tetrachloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1	Methyl acetate	0.60	U	5.0	0.60	0.30	ua/L		04/12/23 10:22	1
Methylcyclohexane 1.0 U 5.0 1.0 0.50 ug/L 04/12/23 10:22 1 Methylene Chloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Styrene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Tetrachloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1	Methyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ua/L		04/12/23 10:22	1
Methylene Chloride 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1 Styrene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Tetrachloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1	Methylcyclohexane	1.0	U	5.0	1.0	0.50	ua/L		04/12/23 10:22	1
Styrene 0.60 U 5.0 0.60 0.30 ug/L 04/12/23 10:22 1 Tetrachloroethene 0.60 U 1.0 0.60 0.30 ug/L 04/12/23 10:22 1	Methylene Chloride	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
Tetrachloroethene 0.60 U 1.0 0.60 U 0.30 ug/L 04/12/23 10:22 1	Styrene	0.60	U	5.0	0.60	0.30	ug/L		04/12/23 10:22	1
	Tetrachloroethene	0.60	U	1.0	0.60	0.30	ua/L		04/12/23 10:22	1
Toluene 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1	Toluene	0.50	U	1.0	0.50	0.20	ua/L		04/12/23 10:22	1
trans-1.2-Dichloroethene 1.4 U 2.0 1.4 0.70 ug/L 04/12/23 10:22 1	trans-1.2-Dichloroethene	1.4	U	2.0	1.4	0.70	ua/L		04/12/23 10:22	
trans-1,3-Dichloropropene 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1	trans-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Trichloroethene 0.60 U 1.0 0.60 U 0.30 ua/L 04/12/23 10:22 1	Trichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/12/23 10:22	1
Trichlorofluoromethane 0.50 U 1.0 0.50 0.20 ug/L 04/12/23 10:22 1	Trichlorofluoromethane	0.50	U	1.0	0.50	0.20	ua/L		04/12/23 10:22	
Vinyl chloride 0.50 U 1.0 0.50 0.20 ua/L 04/12/23 10:22 1	Vinyl chloride	0.50	U	1.0	0.50	0.20	ug/L		04/12/23 10:22	1
Xylenes, Total 0.80 U 1.0 0.80 0.40 ug/L 04/12/23 10:22 1	Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		04/12/23 10:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-121085-1

Prep Type: Total/NA

Client Sample ID: Method Blank

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-363430/6 Matrix: Water

Analysis Batch: 363430

	Prep Type: Total/NA
MB MB	

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	81 - 118	04	/12/23 10:22	1
4-Bromofluorobenzene (Surr)	93	85 - 114	04	/12/23 10:22	1
Dibromofluoromethane (Surr)	94	80 - 119	04	/12/23 10:22	1
Toluene-d8 (Surr)	99	89 - 112	04	/12/23 10:22	1

Lab Sample ID: LCS 410-363430/4 Matrix: Water

Analysis Batch: 363430

	Spike	LCS	LCS		%Rec	
Analyte	Added	Result	Qualifier Unit	D %Re	c Limits	
1,1,1-Trichloroethane	20.0	16.5	ug/L		74 - 131	
1,1,2,2-Tetrachloroethane	20.0	21.3	ug/L	10	71 - 121	
1,1,2-Trichloroethane	20.0	19.9	ug/L	10	0 80 - 119	
1,1-Dichloroethane	20.0	19.0	ug/L	ç	5 77 - 125	
1,1-Dichloroethene	20.0	20.3	ug/L	10	2 71 - 131	
1,2,4-Trichlorobenzene	20.0	18.8	ug/L	ç	4 69 - 130	
1,2-Dibromo-3-Chloropropane	20.0	16.2	ug/L	8	62 - 128	
1,2-Dibromoethane (EDB)	20.0	19.2	ug/L	ç	6 77 - 121	
1,2-Dichlorobenzene	20.0	19.1	ug/L	ç	6 80 - 119	
1,2-Dichloroethane	20.0	16.3	ug/L	8	2 73-128	
1,2-Dichloropropane	20.0	20.7	ug/L	10	3 78 - 122	
1,3-Dichlorobenzene	20.0	19.4	ug/L	ç	97 80 <u>-</u> 119	
1,4-Dichlorobenzene	20.0	20.7	ug/L	10	4 79-118	
2-Butanone	250	252	ug/L	10	1 56 - 143	
2-Hexanone	250	253	ug/L	10	1 57 - 139	
4-Methyl-2-pentanone	250	243	ug/L	ç	67 - 130	
Acetone	250	243	ug/L	ç	97 39 - 160	
Benzene	20.0	20.4	ug/L	10	2 79 - 120	
Bromodichloromethane	20.0	17.5	ug/L	8	79 - 125	
Bromoform	20.0	16.5	ug/L	8	66 - 130	
Bromomethane	20.0	17.1	ug/L	8	6 53 - 141	
Carbon disulfide	20.0	21.0	ug/L	10	5 64 - 133	
Carbon tetrachloride	20.0	15.6	ug/L	7	72 - 136	
Chlorobenzene	20.0	19.2	ug/L	ç	6 82 - 118	
Chloroethane	20.0	18.8	ug/L	ç	60 - 138	
Chloroform	20.0	17.7	ug/L	8	8 79 - 124	
Chloromethane	20.0	20.8	ug/L	10	4 50 - 139	
cis-1,2-Dichloroethene	20.0	19.7	ug/L	ç	8 78-123	
cis-1,3-Dichloropropene	20.0	18.0	ug/L	ç	0 75-124	
Cyclohexane	20.0	18.7	ug/L	ç	3 71 - 130	
Dibromochloromethane	20.0	17.3	ug/L	8	6 74 - 126	
Dichlorodifluoromethane	20.0	14.7	ug/L	7	3 32 - 152	
Ethylbenzene	20.0	19.5	ug/L	ç	8 79_121	
Freon 113	20.0	18.2	ug/L	ç	1 70-136	
lsopropylbenzene	20.0	19.2	ug/L	ç	6 72-131	
Methyl acetate	20.0	22.0	ug/L	11	0 56 - 136	
Methyl tert-butyl ether	20.0	17.7	ug/L	8	8 71-124	
Methylcyclohexane	20.0	17.9	ug/L	ç	0 72 - 132	

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Client Sample ID: Method Blank Prep Type: Total/NA Prepared Analyzed 04/12/23 10:22 Dil Fac 1 04/12/23 10:22 1 04/12/23 10:22 1 04/12/23 10:22 1 04/12/23 10:22 1 04/12/23 10:22 1 Client Sample ID: Lab Control Sample Prep Type: Total/NA %Rec it D %Rec Limits					
	D	roparad	Analyzod	Dil Eso	
		repareu	$-\frac{A11a1y2e0}{04/12/23 \ 10.22}$	<u></u>	
			04/12/23 10:22	1	
			04/12/23 10:22	1	
			04/12/23 10:22	1	
Client	t Sai	nple ID	: Lab Control S	Sample	
			Prep Type: To	otal/NA	
			%Rec		
it	_ <u>D</u>	%Rec	Limits		
'L		82	74 - 131		
'L		107	71_121		

Job ID: 410-121085-1

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-363430/4

Matrix: Water Analysis Batch: 363430

-			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methylene Chloride			20.0	20.6		ug/L		103	74 - 124	
Styrene			20.0	19.4		ug/L		97	78 - 123	
Tetrachloroethene			20.0	18.5		ug/L		93	74 - 129	
Toluene			20.0	20.0		ug/L		100	80 - 121	
trans-1,2-Dichloroethene			20.0	19.4		ug/L		97	75 - 124	
trans-1,3-Dichloropropene			20.0	18.3		ug/L		91	73 - 127	
Trichloroethene			20.0	18.4		ug/L		92	79 - 123	
Trichlorofluoromethane			20.0	13.5		ug/L		67	65 - 141	
Vinyl chloride			20.0	19.5		ug/L		97	58 - 137	
Xylenes, Total			60.0	59.4		ug/L		99	79 - 121	
	LCS	LCS								
0	0/ 🗖	O	1							

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		81 - 118
4-Bromofluorobenzene (Surr)	96		85 - 114
Dibromofluoromethane (Surr)	92		80 - 119
Toluene-d8 (Surr)	102		89 - 112

Lab Sample ID: MB 410-363895/6 **Matrix: Water** Analysis Batch: 363895

MB MB **Result Qualifier** LOQ LOD DL Unit D Analyzed Dil Fac Analyte 1,1,1-Trichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 11:05 1 1,1,2,2-Tetrachloroethane 0.60 U 1.0 0.60 04/13/23 11:05 0.30 ug/L 1 1,1,2-Trichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 11:05 1 1,1-Dichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 11:05 1 0.60 1,1-Dichloroethene 0.60 U 1.0 0.30 ug/L 04/13/23 11:05 1 1,2,4-Trichlorobenzene 1.0 U 5.0 1.0 0.30 ug/L 04/13/23 11:05 1 5.0 1,2-Dibromo-3-Chloropropane 1.0 U 1.0 0.30 ug/L 04/13/23 11:05 1 1,2-Dibromoethane (EDB) 0.50 U 1.0 0.50 0.20 ug/L 04/13/23 11:05 1 1,2-Dichlorobenzene 0.50 U 5.0 0.50 0.20 ug/L 04/13/23 11:05 1 1,2-Dichloroethane 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 11:05 0.60 0.30 1,2-Dichloropropane 0.60 U 10 ug/L 04/13/23 11:05 1 1,3-Dichlorobenzene 1.4 U 5.0 1.4 0.68 ug/L 04/13/23 11:05 1 1.4-Dichlorobenzene 0.60 U 5.0 0.60 0.30 ug/L 04/13/23 11.05 1 2-Butanone 1.0 U 10 1.0 0.50 ug/L 04/13/23 11:05 1 ug/L 2-Hexanone 1.7 U 10 1.7 0.85 04/13/23 11:05 1 10 4-Methyl-2-pentanone 1.0 U 1.0 0.50 ug/L 04/13/23 11:05 1 Acetone 2.0 U 20 2.0 0.70 ug/L 04/13/23 11:05 1 ug/L Benzene 0.60 U 1.0 0.60 0.30 04/13/23 11:05 1 Bromodichloromethane 0.50 U 1.0 0.50 0.20 ug/L 04/13/23 11:05 1 Bromoform 4.0 2.0 04/13/23 11:05 2.0 U 1.0 ug/L 1 Bromomethane 1.0 0.60 0.60 U 0.30 ug/L 04/13/23 11:05 1 Carbon disulfide 0.60 U 5.0 0.60 0.30 ug/L 04/13/23 11:05 1 Carbon tetrachloride 0.60 U 1.0 0.60 0.30 ug/L 04/13/23 11:05 1 Chlorobenzene 0.60 0.60 U 1.0 0.30 ug/L 04/13/23 11:05 1 Chloroethane 0.50 U 1.0 0.50 0.20 ug/L 04/13/23 11:05 1 0.30 ug/L 04/13/23 11:05 Chloroform 0.60 U 1.0 0.60 1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: Method Blank Prep Type: Total/NA

6/5/2023 (Rev. 1)

Job ID: 410-121085-1

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

- 5 8

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-363895/6 Matrix: Water

Analysis Batch: 363895

	MB	МВ							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Chloromethane	1.1	U	2.0	1.1	0.55	ug/L		04/13/23 11:05	1
cis-1,2-Dichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 11:05	1
cis-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Cyclohexane	2.0	U	5.0	2.0	1.0	ug/L		04/13/23 11:05	1
Dibromochloromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Dichlorodifluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Ethylbenzene	0.80	U	1.0	0.80	0.40	ug/L		04/13/23 11:05	1
Freon 113	0.60	U	10	0.60	0.30	ug/L		04/13/23 11:05	1
lsopropylbenzene	0.50	U	5.0	0.50	0.20	ug/L		04/13/23 11:05	1
Methyl acetate	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 11:05	1
Methyl tert-butyl ether	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Methylcyclohexane	1.0	U	5.0	1.0	0.50	ug/L		04/13/23 11:05	1
Methylene Chloride	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 11:05	1
Styrene	0.60	U	5.0	0.60	0.30	ug/L		04/13/23 11:05	1
Tetrachloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 11:05	1
Toluene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
trans-1,2-Dichloroethene	1.4	U	2.0	1.4	0.70	ug/L		04/13/23 11:05	1
trans-1,3-Dichloropropene	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Trichloroethene	0.60	U	1.0	0.60	0.30	ug/L		04/13/23 11:05	1
Trichlorofluoromethane	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Vinyl chloride	0.50	U	1.0	0.50	0.20	ug/L		04/13/23 11:05	1
Xylenes, Total	0.80	U	1.0	0.80	0.40	ug/L		04/13/23 11:05	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		81 - 118		04/13/23 11:05	1
4-Bromofluorobenzene (Surr)	96		85 - 114		04/13/23 11:05	1
Dibromofluoromethane (Surr)	91		80 - 119		04/13/23 11:05	1
Toluene-d8 (Surr)	104		89 - 112		04/13/23 11:05	1

Lab Sample ID: LCS 410-363895/4 Matrix: Water Analysis Batch: 363895

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	17.5		ug/L		87	74 - 131	
1,1,2,2-Tetrachloroethane	20.0	23.2		ug/L		116	71_121	
1,1,2-Trichloroethane	20.0	20.7		ug/L		104	80 - 119	
1,1-Dichloroethane	20.0	19.9		ug/L		100	77 _ 125	
1,1-Dichloroethene	20.0	20.5		ug/L		102	71 - 131	
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		99	69 - 130	
1,2-Dibromo-3-Chloropropane	20.0	17.0		ug/L		85	62 - 128	
1,2-Dibromoethane (EDB)	20.0	19.2		ug/L		96	77 _ 121	
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 119	
1,2-Dichloroethane	20.0	17.2		ug/L		86	73 - 128	
1,2-Dichloropropane	20.0	22.0		ug/L		110	78 - 122	
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 119	
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	79 ₋ 118	
2-Butanone	250	270		ug/L		108	56 - 143	

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8260D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-363895/4

Matrix: Water Analysis Batch: 363895

· ·····, · · · · · · · · · · · · · · ·			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
2-Hexanone			250	247		ug/L		99	57 - 139	
4-Methyl-2-pentanone			250	253		ug/L		101	67 - 130	
Acetone			250	233		ug/L		93	39 - 160	
Benzene			20.0	21.4		ug/L		107	79_120	
Bromodichloromethane			20.0	19.1		ug/L		95	79_125	
Bromoform			20.0	16.7		ug/L		84	66 - 130	
Bromomethane			20.0	17.8		ug/L		89	53 - 141	
Carbon disulfide			20.0	21.3		ug/L		107	64 - 133	
Carbon tetrachloride			20.0	16.2		ug/L		81	72 - 136	
Chlorobenzene			20.0	19.9		ug/L		99	82 - 118	
Chloroethane			20.0	19.2		ug/L		96	60 - 138	
Chloroform			20.0	18.5		ug/L		92	79 - 124	
Chloromethane			20.0	19.3		ug/L		97	50 - 139	
cis-1,2-Dichloroethene			20.0	20.7		ug/L		103	78 - 123	
cis-1,3-Dichloropropene			20.0	19.1		ug/L		96	75_124	
Cyclohexane			20.0	19.7		ug/L		98	71_130	
Dibromochloromethane			20.0	17.3		ug/L		86	74 - 126	
Dichlorodifluoromethane			20.0	12.2		ug/L		61	32 - 152	
Ethylbenzene			20.0	20.7		ug/L		104	79_121	
Freon 113			20.0	17.8		ug/L		89	70_136	
Isopropylbenzene			20.0	20.5		ug/L		102	72 - 131	
Methyl acetate			20.0	21.1		ug/L		106	56 - 136	
Methyl tert-butyl ether			20.0	19.1		ug/L		95	71_124	
Methylcyclohexane			20.0	19.3		ug/L		96	72 - 132	
Methylene Chloride			20.0	21.1		ug/L		106	74 - 124	
Styrene			20.0	20.4		ug/L		102	78 - 123	
Tetrachloroethene			20.0	18.3		ug/L		91	74 - 129	
Toluene			20.0	20.7		ug/L		104	80 - 121	
trans-1,2-Dichloroethene			20.0	20.3		ug/L		101	75_124	
trans-1,3-Dichloropropene			20.0	19.1		ug/L		95	73 - 127	
Trichloroethene			20.0	19.8		ug/L		99	79_123	
Trichlorofluoromethane			20.0	13.7	М	ug/L		69	65 - 141	
Vinyl chloride			20.0	18.1		ug/L		90	58 - 137	
Xylenes, Total			60.0	60.4		ug/L		101	79 - 121	
	LCS	LCS								
Surrogate	%Recoverv	Qualifier	Limits							

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		81 - 118
4-Bromofluorobenzene (Surr)	97		85 - 114
Dibromofluoromethane (Surr)	90		80 - 119
Toluene-d8 (Surr)	100		89 - 112

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-362150/1-A				Client Sample ID: Method Blar						
Matrix: Water							i	Prep Type: To	otal/NA	
Analysis Batch: 362206								Prep Batch:	362150	
	MB	МВ								
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac	
1,1'-Biphenyl	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1	

Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-121085-1

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-362150/1-A Matrix: Water

inder incertification in the second s		
Analysis	Batch:	362206

AnalycResultUolLOQLOUUPAnalycedDI Fac24-0richlorophoropanel1.0U2.01.00.050gl.P4/0723.192712.4.6-Trichlorophenol1.0U2.01.00.050gl.P4/0723.192712.4-Dintophenol2.0U0.00.050gl.P4/0723.192712.4-Dintophenol2.0U0.00.00.00.00.04/0723.192712.4-Dintophenol2.0U0.00.00.00.00.04/0723.192712.4-Dintophenol1.0U2.01.00.00.00.04/0723.192712.4-Dintophenol1.0U2.00.000.00.00.04/0723.192712.Chorophenol1.0U2.00.000.00.00.000.000.002.Chorophenol1.0U2.00.000.000.00.000.000.000.002.Chorophenol2.0U0.000	-	MB	МВ							
22-oxybigit-hibropropanej 10 2.0 10 0.50 upl. 040723 19:27 1 2.4.5-Trichorophenol 10 U 2.0 10 0.50 upl. 040723 19:27 1 2.4.5-Trichorophenol 10 U 2.0 10 0.50 upl. 040723 19:27 1 2.4-Dintorophenol 2.0 U 30 2.8 1.4 upl. 040723 19:27 1 2.4-Dintorophenol 2.0 U 5.0 2.0 1.0 upl. 040723 19:27 1 2.4-Dintorophenol 2.0 U 5.0 2.0 1.0 0.50 upl. 040723 19:27 1 2.4-Dintorophenol 0.0 U 2.0 0.0 0.00 0.00 0.01 0.00 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00 0.01 0.00 0.01 0.00 0.01 0.00 <	Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
2.4.5.Trichorophenol 1.0 0.2 1.0 0.50 up(1) 0.00723 1927 1 2.4.0.Trichorophenol 0.0 1.0 0.50 up(1) 0.00723 1927 1 2.4.Drintorophenol 2.0 1.0 0.50 up(1) 0.00723 1927 1 2.4.Drintorophenol 2.0 0 3.0 up(1) 0.00723 1927 1 2.4.Drintorophenol 2.0 0 5.0 2.0 1.0 0.50 up(1) 0.00723 1927 1 2.4.Drintorophenol 0.0 0 0.0 0.00 up(1) 0.00723 1927 1 2.Chorophenol 0.0 0 0.0 0.00 0.00 0.00723 1927 1 2.Chorophenol 0.0 0 0.0 0.0 0.00 0.00 0.00723 1927 1 2.Adetryphynol 2.0 0 5.0 2.0 1.0 0.00723 1927 1 2.Adetryphynol 2.0 0 5.0 2.0 1.0 0.00723 1927 1 2.Adetryphynol 2.0 0 0.0 0.0 <td>2,2'-oxybis[1-chloropropane]</td> <td>1.0</td> <td>U</td> <td>2.0</td> <td>1.0</td> <td>0.50</td> <td>ug/L</td> <td></td> <td>04/07/23 19:27</td> <td>1</td>	2,2'-oxybis[1-chloropropane]	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
2.4.6.Trichbrophenol 1.0 2.0 1.0 0.50 up(1) 0.00723 19:27 1 2.4.Dindrophylphenol 0.0 1.0 0.50 up(1) 0.0723 19:27 1 2.4.Dindrophylphenol 2.0 1.0 0.50 up(1) 0.00723 19:27 1 2.4.Dindrophylphenol 2.0 1.0 0.50 0.20 1.0 0.00723 19:27 1 2.4.Dindrophylphenol 1.0 U 2.0 1.0 0.50 0.20 0.01 0.40723 19:27 1 2.Chloronphtnalene 0.80 0 1.0 0.20 0.01 0.01 0.50 0.20 0.01 0.40723 19:27 1 2.Chloronphtnalene 0.0 0 2.0 1.0 0.50 0.20 0.047723 19:27 1 2.Alternamine 2.0 0 5.0 2.0 1.0 0.407723 19:27 1 2.Alternamine 2.0 0 5.0 2.0 1.0 0.00 1.0 0.07723 19:27 1	2,4,5-Trichlorophenol	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
2.4-Diractly/phenol 1.0 0.0<	2,4,6-Trichlorophenol	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
24-Dimitrybhenol 90 10 90 30 94,0 0407/23 19:27 1 24-Dimitrybhenol 20 0 5.0 2.0 1.0 94,0 0407/23 19:27 1 24-Dimitrybhenol 1.0 0.0 0.0 0.0 0.00 <td< td=""><td>2,4-Dichlorophenol</td><td>1.0</td><td>U</td><td>2.0</td><td>1.0</td><td>0.50</td><td>ug/L</td><td></td><td>04/07/23 19:27</td><td>1</td></td<>	2,4-Dichlorophenol	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
2.4-Dinktroblemel 28 14 ugl. 04/07/23 19:27 1 2.4-Dinktrobleme 1.0 U 5.0 2.0 1.0 ugl. 04/07/23 19:27 1 2.Chintrobleme 0.30 U 1.0 0.50 ugl. 04/07/23 19:27 1 2.Chintrobleme 0.20 U 0.50 0.20 0.10 ugl. 04/07/23 19:27 1 2.MetryInaphthelene 0.20 U 5.0 0.20 0.10 ugl. 04/07/23 19:27 1 2.MetryInaphthelene 2.0 U 5.0 2.0 1.0 ugl. 04/07/23 19:27 1 2.Mitrobenci 2.0 U 5.0 2.0 1.0 ugl. 04/07/23 19:27 1 4.Forto-methylphenol 2.0 U 5.0 2.0 1.0 0.0 3.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <t< td=""><td>2,4-Dimethylphenol</td><td>9.0</td><td>U</td><td>10</td><td>9.0</td><td>3.0</td><td>ug/L</td><td></td><td>04/07/23 19:27</td><td>1</td></t<>	2,4-Dimethylphenol	9.0	U	10	9.0	3.0	ug/L		04/07/23 19:27	1
2.4-Dinkrobulene 2.0 1.0 1.0 0.40723 1927 1 2.6-Dinkrobulene 0.80 0 1.0 0.80 0.40 0.40 0.40723 1927 1 2-Chioronaphthalene 0.80 0 0.80 0.40 0.80 0.40723 1927 1 2-Chiorophenol 1.0 0 0.50 0.20 0.10 0.40723 1927 1 2-Mitryhphenol 1.0 0 2.0 1.0 0.50 0.40723 1927 1 2-Nitronafine 2.0 0 5.0 2.0 1.0 0.40723 1927 1 2-Nitronafine 2.0 0 5.0 2.0 1.0 0.40723 1927 1 3-Bichiorobenzitine 8.0 0 1 1.0 0.40723 1927 1 4-Chioros-inethythenol 2.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2,4-Dinitrophenol	28	U	30	28	14	ug/L		04/07/23 19:27	1
2.4-Diminutoluluene 1.0 V.M 2.0 1.0 0.60 0.40 ugl. 0.407/23 19:27 1 2.Chlorophenol 1.0 U 2.0 1.0 0.050 ugl. 0.407/23 19:27 1 2.Methylphenol 1.0 U 2.0 1.0 0.050 ugl. 0.407/23 19:27 1 2.Methylphenol 2.0 U 5.0 2.0 1.0 ugl. 0.407/23 19:27 1 2.Nirophenol 2.0 U 5.0 2.0 1.0 ugl. 0.407/23 19:27 1 3.3:Dichlorobenzidine 8.0 U 10 8.0 ugl. 0.407/23 19:27 1 4.Choros-methylphenol 2.0 U 5.0 2.0 1.0 ugl. 0.407/23 19:27 1 4.Choros-methylphenol 0.0 U 5.0 2.0 1.0 ugl. 0.407/23 19:27 1 4.Choroshenylphonyl ehori 1.0 U 2.0 1.0 ugl. 0.407/23 19:27 1 4.Nitrophenol 2.0 U 3.0 2.0 0.0	2,4-Dinitrotoluene	2.0	U	5.0	2.0	1.0	ug/L		04/07/23 19:27	1
2-Choronaphthalene 0.80 U 1.0 0.80 0.40 0.40 0.40723 19:27 1 2-Choronaphthalene 0.20 U 0.50 0.20 0.10 0.91 0.407723 19:27 1 2-Mettyhinaphthalene 0.20 U 0.50 0.20 1.0 0.91 0.407723 19:27 1 2-Nitronalline 2.0 U 5.0 2.0 1.0 0.91 0.407723 19:27 1 2-Nitronalline 8.0 U 1.0 8.0 9.0 0.40772 19:27 1 4-Choros-methylphenol 2.0 U 5.0 2.0 1.0 0.40 0.40772 19:27 1 4-Choros-methylphenol 1.0 U 2.0 1.0 0.50 0.91 0.40772 319:27 1 4-Nitronalline 0.0 U 3.0 2.0 0.0 0.91 0.40772 319:27 1 4-Nitrophenol 2.0 U 3.0 2.0 0.10 0.91 0.40772 319:27 1 <td>2,6-Dinitrotoluene</td> <td>1.0</td> <td>UM</td> <td>2.0</td> <td>1.0</td> <td>0.50</td> <td>ug/L</td> <td></td> <td>04/07/23 19:27</td> <td>1</td>	2,6-Dinitrotoluene	1.0	UM	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
2-Chioophanol 1.0 U 2.0 1.0 0.50 0.0 <t< td=""><td>2-Chloronaphthalene</td><td>0.80</td><td>U</td><td>1.0</td><td>0.80</td><td>0.40</td><td>ug/L</td><td></td><td>04/07/23 19:27</td><td>1</td></t<>	2-Chloronaphthalene	0.80	U	1.0	0.80	0.40	ug/L		04/07/23 19:27	1
2-Methylnephthalene 0.20 U 0.50 0.20 0.10 und 0.407/23 19:27 1 2-Mitryophenol 1.0 U 5.0 2.0 1.0 ug/ 0.407/23 19:27 1 2-Nitrophenol 2.0 U 5.0 2.0 1.0 ug/ 0.407/23 19:27 1 3-Oblichrobenzidine 8.0 U 1.0 8.0 ug/ 0.407/23 19:27 1 4-Chioras-methylphenol 2.0 U 5.0 2.0 1.0 ug/ 0.407/23 19:27 1 4-Chioras-methylphenol 1.0 U 2.0 1.0 0.0	2-Chlorophenol	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
2-Methylphenol 1.0 U 2.0 1.0 0.50 ug/L 0.407/23 19.27 1 2-Nirophenol 2.0 U 5.0 2.0 1.0 ug/L 0.407/23 19.27 1 3.3-Dichlorobenzidine 8.0 U 10 8.0 ug/L 0.407/23 19.27 1 4.6-Dinitro-2-methylphenol 2.0 U 5.0 2.0 1.0 ug/L 0.407/23 19.27 1 4-Choros-methylphenol 2.0 U 5.0 2.0 1.0 ug/L 0.407/23 19.27 1 4-Choros-methylphenol 1.0 U 2.0 1.0 0.50 ug/L 0.407/23 19.27 1 4-Nitrophenol 2.0 U 3.0 2.0 0.407/23 19.27 1 4-Nitrophenol 2.0 U 3.0 2.0 10 ug/L 0.407/23 19.27 1 Acenaphthylene 0.20 U 5.0 2.0	2-Methylnaphthalene	0.20	U	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
2-Nitroaniline 2.0 U 5.0 2.0 1.0 ugL 04/07/23 19:27 1 2-Nitrophenol 2.0 U 5.0 2.0 1.0 ugL 04/07/23 19:27 1 4-Chiloro-z-methylphenol 2.0 U 2.1 2.0 8.0 ugL 04/07/23 19:27 1 4-Chiloro-s-methylphenol 2.0 U 5.0 2.0 1.0 ugL 04/07/23 19:27 1 4-Chiloroshine 9.0 U 5.0 2.0 1.0 ugL 04/07/23 19:27 1 4-Chiloroshine 1.0 U 2.0 1.0 0.50 ugL 04/07/23 19:27 1 4-Nitrophenol 2.0 U 3.0 2.0 0.00 ugL 04/07/23 19:27 1 Aceraphthylene 0.20 U 5.0 2.0 0.0 ugL 04/07/23 19:27 1 Acerophthene 2.0 U	2-Methylphenol	1.0	U	2.0	1.0	0.50	ua/L		04/07/23 19:27	1
2.Nitrophenol 2.0 5.0 2.0 1.0 ugl 0.4/07/23 19.27 1 3.3*Dichlorobenzidine 8.0 U 10 8.0 ugl 0.4/07/23 19.27 1 4.Chioro-3-methylphenol 2.0 U 5.0 2.0 1.0 ugl 0.4/07/23 19.27 1 4.Chioro-3-methylphenol 2.0 U 5.0 2.0 1.0 0.0 0.4/07/23 19.27 1 4.Chiorophenyl phenyl ether 1.0 U 2.0 1.0 0.50 0.0 0.4/07/23 19.27 1 4.Nitronelline 2.0 U 3.0 2.0 0.00 0.0 0.0/07/23 19.27 1 Acenaphthylphenol 2.0 U 5.0 2.0 1.0 0.0/07/23 19.27 1 Acenaphthylene 0.20 U 5.0 2.0 1.0 0.0/10 0.0/10 0.0/10 0.0/10 0.0/10 0.0/10 0.0/10 0.0/10 0.0/10<	2-Nitroaniline	2.0	U	5.0	2.0	1.0	ua/L		04/07/23 19:27	1
3.3°-Dichlorobenzidine 8.0 10 8.0 4.4°-Dintro-2-methylphenol 20 21 20 8.0 ug/L 04/07/23 19.27 1 4.Chloro-3-methylphenol 2.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 4.Chloro-3-methylphenol 0.0 U 10 9.0 4.0 ug/L 04/07/23 19.27 1 4.Chloro-3-methylphenol 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19.27 1 4.Nitrophenol 2.0 U 3.0 2.0 0.90 ug/L 04/07/23 19.27 1 4.Nitrophenol 2.0 U 3.0 2.0 0.90 ug/L 04/07/23 19.27 1 Acenaphthene 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Acetaphthyle 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19.27	2-Nitrophenol	2.0	U	5.0	2.0	1.0	ua/L		04/07/23 19:27	1
4.6-Dinitro-2-methylphenol 20 U 21 20 8.0 ugiL 04/07/23 19:27 1 4-Chioro-3-methylphenol 20 U 5.0 2.0 1.0 ugiL 04/07/23 19:27 1 4-Chiorophenyl phenyl ether 1.0 U 2.0 1.0 0.50 ugiL 04/07/23 19:27 1 4-Metrophenol 1.0 U 2.0 1.0 0.50 ugiL 04/07/23 19:27 1 4-Nitroanline 2.0 U 3.0 2.0 0.00 ugiL 04/07/23 19:27 1 4-Nitroanline 2.0 U 3.0 2.0 0.00 ugiL 04/07/23 19:27 1 Acenaphthene 0.20 U 5.0 0.20 0.10 ugiL 04/07/23 19:27 1 Acetophenone 2.0 U 5.0 0.20 1.0 ugiL 04/07/23 19:27 1 Antracene 0.20 U 5.0 2.0 1.0 ugiL 04/07/23 19:27 1 Benzolejantracene 0.20 U 5.0 2.0 <td< td=""><td>3 3'-Dichlorobenzidine</td><td>80</td><td>Ū</td><td>10</td><td>80</td><td>4.0</td><td>ua/l</td><td></td><td>04/07/23 19:27</td><td></td></td<>	3 3'-Dichlorobenzidine	80	Ū	10	80	4.0	ua/l		04/07/23 19:27	
Achino-3-methylphenol 20 0 10 0,0	4 6-Dinitro-2-methylphenol	20	U	21	20	8.0	ua/I		04/07/23 19:27	1
A-Chioroaniline 9.0 U 10 9.0 4.0 ug/L 04/07/23 19.27 1 4-Chiorophenyl phenyl ether 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19.27 1 4-Methylphenol 2.0 U 3.0 2.0 0.50 ug/L 04/07/23 19.27 1 A-Nitroaniline 2.0 U 3.0 2.0 0.0 ug/L 04/07/23 19.27 1 Acenaphthene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Acenaphthylene 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Acetaphtylene 0.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Artirea 0.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Benzolg/Bjurora 0.20 U	4-Chloro-3-methylphenol	20	U	50	20	1.0	ua/l		04/07/23 19:27	1
Achorophenyl phenyl ether 1.0 0<	4-Chloroaniline	9.0	Ŭ	10	9.0	4.0	ua/l		04/07/23 19:27	
Antertyphenol 1.0 0 1.0 0.0 1.0 0.00 1.0 0.007.23 19.27 1 4-Nitrophenol 2.0 U 3.0 2.0 0.90 ug/L 0.4/07/23 19.27 1 4-Nitrophenol 2.0 U 3.0 2.0 0.90 ug/L 0.4/07/23 19.27 1 Acenaphthylene 0.20 U 0.50 0.20 0.10 ug/L 0.4/07/23 19.27 1 Acenaphthylene 0.20 U 5.0 2.0 1.0 ug/L 0.4/07/23 19.27 1 Acetophenone 0.20 U 5.0 2.0 1.0 ug/L 0.4/07/23 19.27 1 Antracene 0.20 U 5.0 2.0 1.0 ug/L 0.4/07/23 19.27 1 Benzolgalpyrene 0.20 U 5.0 2.0 1.0 ug/L 0.4/07/23 19.27 1 BenzolgAlpyrene 0.20	4-Chlorophenyl phenyl ether	1.0	U U	2.0	1.0	0.50	ua/l		04/07/23 19:27	1
Antropynetics 1.0 0 1.0 1.0 0.0 <th< td=""><td>4-Methylphenol</td><td>1.0</td><td>0</td><td>2.0</td><td>1.0</td><td>0.00</td><td>ug/L</td><td></td><td>04/07/23 10:27</td><td>1</td></th<>	4-Methylphenol	1.0	0	2.0	1.0	0.00	ug/L		04/07/23 10:27	1
Hubble Lo Lo <th< td=""><td>4-Nitroaniline</td><td>2.0</td><td>0</td><td>2.0</td><td>2.0</td><td>0.00</td><td>ug/L</td><td></td><td>04/07/23 10:27</td><td>· · · · · · · · · · · · · · · · · · ·</td></th<>	4-Nitroaniline	2.0	0	2.0	2.0	0.00	ug/L		04/07/23 10:27	· · · · · · · · · · · · · · · · · · ·
Hardingheitor 20 0 00 10 0g/L 04/07/23 15/27 1 Acenaphthylene 0.20 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Acenaphthylene 0.20 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Acetaphthylene 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19:27 1 Antracene 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19:27 1 Benzolajantracene 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19:27 1 Benzolajantracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzolajprene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzolajprene 0.20 U 0.50<	4-Nitrophenol	2.0		30	2.0	10	ug/L		04/07/23 10:27	1
Acenaphthene 0.20 0 0.30 0.20 0.10 0 g/L 0.10/123 13.27 1 Acenaphtylene 2.0 U 5.0 0.20 0.10 ug/L 0.407/23 19.27 1 Actaphylene 0.20 U 5.0 2.0 0.10 ug/L 0.407/23 19.27 1 Attrazine 2.0 U 5.0 2.0 1.0 ug/L 0.407/23 19.27 1 Benzolajanthracene 0.20 U 5.0 2.0 1.0 ug/L 0.407/23 19.27 1 Benzolajanthracene 0.20 U 0.50 0.20 0.10 ug/L 0.407/23 19.27 1 Benzolajntrene 0.20 U 0.50 0.20 0.10 ug/L 0.407/23 19.27 1 Benzolajntrene 0.20 U 0.50 0.20 0.10 ug/L 0.407/23 19.27 1 Benzolajntrene 0.20 <t< td=""><td></td><td>0.20</td><td></td><td>0.50</td><td>0.20</td><td>0 10</td><td>ug/L</td><td></td><td>04/07/23 19:27</td><td>1</td></t<>		0.20		0.50	0.20	0 10	ug/L		04/07/23 19:27	1
Acetapheningene 0.20 0.30 0.20 0.10 0g/L 0.407/23 18.27 1 Anthracene 0.20 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Anthracene 0.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Benzalabehyde 2.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 BenzolaJanthracene 0.20 U 5.0 0.20 0.10 ug/L 04/07/23 19.27 1 BenzolaJhyrene 0.22 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 BenzolaJhiloranthene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Bis(2-choroethxy)methane 1.0 U 2.0 1.0 0.0 ug/L 04/07/23 19.27 1 Bis(2-choroethxy)methane 1.0 <td< td=""><td></td><td>0.20</td><td></td><td>0.50</td><td>0.20</td><td>0.10</td><td>ug/L</td><td></td><td>04/07/23 19.27</td><td>· · · · · · · · · · · · · · · · · · ·</td></td<>		0.20		0.50	0.20	0.10	ug/L		04/07/23 19.27	· · · · · · · · · · · · · · · · · · ·
Archtprache 2.0 0 3.0 2.0 1.0 04/07/23 1.2.7 1 Arthracene 2.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Artazine 2.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Benzolajanthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolajnthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolajnthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolajnthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolajnthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Bis(2-choroethy)ethen 1.0 U	Acetaphanana	0.204		5.0	2.0	1.0	ug/L		04/07/23 19:27	1
Antinizerie 0.20 0.00 0.20 0.10 0g/L 04/07/23 19:27 1 Atrazine 2.0 U 5.0 2.0 1.0 ug/L 04/07/23 19:27 1 Benzo[a]anthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzo[a]anthracene 0.20 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1 Benzo[a]nthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzo[k]fluoranthene 0.20 U M 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy)methane 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy)methane 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethox	Action	2.0		0.50	2.0	0.10	ug/L		04/07/23 19.27	1
Artazine 2.0 0 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Benzaldehyde 2.0 U 5.0 2.0 1.0 ug/L 04/07/23 19.27 1 Benzaldaphracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzalgapyrene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolgipyrene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolgipyrene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolgipyrene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19.27 1 Benzolgipyrene 0.20 U 2.0 1.0 0.50 ug/L 04/07/23 19.27 1 Benzolapityrente 0.0	Antinacene	0.20		0.50	0.20	0.10	ug/L		04/07/23 19.27	· · · · · · · · · · · · · · · · · · ·
Benzalateriyde 2.0 0 0.0 1.0 0.0 <t< td=""><td>Aliazine</td><td>2.0</td><td>0</td><td>5.0</td><td>2.0</td><td>1.0</td><td>ug/L</td><td></td><td>04/07/23 19:27</td><td>1</td></t<>	Aliazine	2.0	0	5.0	2.0	1.0	ug/L		04/07/23 19:27	1
Benzolajalninacité 0.20 0 0.50 0.20 0.10 UgL 04/07/23 19:27 1 Benzolajpyrene 0.20 UM 0.50 0.22 0.11 ug/L 04/07/23 19:27 1 Benzolgi, hijperylene 0.20 UM 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzolgi, hijperylene 0.20 UM 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzolgi, hijperylene 0.20 UM 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy)methane 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy)methane 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy) phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1	Benzalalenthrasens	2.0	0	5.0	2.0	0.10	ug/L		04/07/23 19.27	1
Benzo[apyrene 0.22 0 M 0.50 0.22 0.11 ug/L 04/07/23 19:27 1 Benzo[b]fluoranthene 0.20 U M 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzo[k]fluoranthene 0.20 U M 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy)methane 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethoxy)methane 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethyl)ether 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chlyibexyl) phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Caprolactam 6.0 U 7.0 6.0 3.0 ug/L 04/07/23 19:27 1 Chrysene 0.20 U 0.50 0.20 0.10 <td< td=""><td></td><td>0.20</td><td>U</td><td>0.50</td><td>0.20</td><td>0.10</td><td>ug/L</td><td></td><td>04/07/23 19.27</td><td>· · · · · · · · · · · · ·</td></td<>		0.20	U	0.50	0.20	0.10	ug/L		04/07/23 19.27	· · · · · · · · · · · · ·
Benzo[p],h.j]perylene 0.20 0.40 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzo[g,h,j]perylene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzo[k]fluoranthene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Bis(2-chloroethyl)ether 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethyl)ether 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-chloroethyl)ether 1.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Bis(2-chloroethyl)ether 0.0 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Caprolactam 6.0 U 7.0 6.0 3.0 ug/L 04/07/23 19:27 1 Chrysene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27<		0.22	UM	0.50	0.22	0.11	ug/L		04/07/23 19:27	1
Benzolg, nijperyene 0.20 0 M 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Benzolk Jfluoranthene 0.20 U M 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Bis (2-chloroethxy)methane 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis (2-chloroethxy) phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Bis (2-chloroethyl) phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Butyl benzyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Carbazole 1.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Chrysene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Dibenz(a,h)anthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Dibenz(ran 1.0 U	Benzolbjiluorantnene	0.20	UM	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
Benzok/fildoranthene0.200.400.200.100.9/L04/07/23 19:271Bis(2-chloroethxy)methane1.0U2.01.00.50ug/L04/07/23 19:271Bis(2-chloroethy)lether1.0U2.01.00.50ug/L04/07/23 19:271Bis(2-ethylhexyl) phthalate4.0U5.04.02.0ug/L04/07/23 19:271Butyl benzyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Caprolactam6.0U7.06.03.0ug/L04/07/23 19:271Chrysene0.20U0.500.200.10ug/L04/07/23 19:271Dibenz(a,h)anthracene0.20U0.500.200.10ug/L04/07/23 19:271Dibenzfuran1.0U2.01.00.50ug/L04/07/23 19:271Diethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dienzofuran1.0U5.04.02.0ug/L04/07/23 19:271Dientyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dienzofuran1.0U5.04.02.0ug/L04/07/23 19:271Din-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Din-butyl phthalate1.0U5.04.0 <td< td=""><td>Benzolg,n,ijperviene</td><td>0.20</td><td>UM</td><td>0.50</td><td>0.20</td><td>0.10</td><td>ug/L</td><td></td><td>04/07/23 19:27</td><td>· · · · · · · .</td></td<>	Benzolg,n,ijperviene	0.20	UM	0.50	0.20	0.10	ug/L		04/07/23 19:27	· · · · · · · .
Bis (2-chloroethoxy) methane1.002.01.00.500g/L04/07/2319:271Bis (2-chloroethyl) ether1.002.01.00.50ug/L04/07/2319:271Bis (2-ethylhexyl) phthalate4.005.04.02.0ug/L04/07/2319:271Butyl benzyl phthalate4.005.04.02.0ug/L04/07/2319:271Caprolactam6.007.06.03.0ug/L04/07/2319:271Carbazole1.002.01.00.50ug/L04/07/2319:271Chrysene0.2000.500.200.10ug/L04/07/2319:271Dibenz(a,h)anthracene0.2000.500.200.10ug/L04/07/2319:271Diethyl phthalate4.002.01.00.50ug/L04/07/2319:271Diethyl phthalate4.005.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate4.005.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate4.005.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate4.005.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate1.00.500.200.10ug		0.20	UМ	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
Bis(2-chloroethyljether 1.0 0 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Bis(2-ethylhexyl) phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Butyl benzyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Caprolactam 6.0 U 7.0 6.0 3.0 ug/L 04/07/23 19:27 1 Carbazole 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Chrysene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Dibenz(a,h)anthracene 0.20 U 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Dibenzofuran 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Dientyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27	Bis(2-chloroethoxy)methane	1.0	0	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Bis(2-ethylnexyl) phthalate4.005.04.02.0Ug/L04/07/2319:271Butyl benzyl phthalate4.0U5.04.02.0ug/L04/07/2319:271Caprolactam6.0U7.06.03.0ug/L04/07/2319:271Carbazole1.0U2.01.00.50ug/L04/07/2319:271Chrysene0.20U0.500.200.10ug/L04/07/2319:271Dibenz(a,h)anthracene0.20U0.500.200.10ug/L04/07/2319:271Dibenzfuran1.0U2.01.00.50ug/L04/07/2319:271Dienthyl phthalate4.0U5.04.02.0ug/L04/07/2319:271Din-butyl phthalate4.0U5.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/2319:271Di-n-butyl phthalate1.0U5.04.02.0ug/L04/07/2319:271Fluorene0.167J0.500.200.10ug/L04/07/23 <td>Bis(2-chloroethyl)ether</td> <td>1.0</td> <td>U</td> <td>2.0</td> <td>1.0</td> <td>0.50</td> <td>ug/L</td> <td></td> <td>04/07/23 19:27</td> <td>1</td>	Bis(2-chloroethyl)ether	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Butyl benzyl phthalate4.005.04.02.0ug/L04/07/23 19:271Caprolactam6.0U7.06.03.0ug/L04/07/23 19:271Carbazole1.0U2.01.00.50ug/L04/07/23 19:271Chrysene0.20U0.500.200.10ug/L04/07/23 19:271Dibenz(a,h)anthracene0.20U0.500.200.10ug/L04/07/23 19:271Dibenzfuran1.0U2.01.00.50ug/L04/07/23 19:271Diethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dimethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-octyl phthalate10U M11105.0ug/L04/07/23 19:271Fluorene0.24U0.500.240.12ug/L04/07/23 19:271Hexachlorobenzene0.22U0.500.220.11ug/L04/07/23 19:271	Bis(2-ethylhexyl) phthalate	4.0	0	5.0	4.0	2.0	ug/L		04/07/23 19:27	1
Caprolactam6.007.06.03.0ug/L04/07/23 19:271Carbazole1.0U2.01.00.50ug/L04/07/23 19:271Chrysene0.20U0.500.200.10ug/L04/07/23 19:271Dibenz(a,h)anthracene0.20U0.500.200.10ug/L04/07/23 19:271Dibenzofuran1.0U2.01.00.50ug/L04/07/23 19:271Diethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dimethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Din-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Din-octyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-noctyl phthalate10U M11105.0ug/L04/07/23 19:271Fluorene0.167J0.500.200.10ug/L04/07/23 19:271Hexachlorobenzene0.22U0.500.220.11ug/L04/07/23 19:271	Butyl benzyl phthalate	4.0	U	5.0	4.0	2.0	ug/L		04/07/23 19:27	1
Carbazole1.002.01.00.50ug/L04/07/23 19:271Chrysene0.20U0.500.200.10ug/L04/07/23 19:271Dibenz(a,h)anthracene0.20U0.500.200.10ug/L04/07/23 19:271Dibenzofuran1.0U2.01.00.50ug/L04/07/23 19:271Diethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dimethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-butyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Di-n-octyl phthalate10U5.04.02.0ug/L04/07/23 19:271Fluoranthene0.167J0.500.200.10ug/L04/07/23 19:271Hexachlorobenzene0.22U0.500.240.12ug/L04/07/23 19:271	Caprolactam	6.0	U	7.0	6.0	3.0	ug/L		04/07/23 19:27	1
Chrysene0.20U0.500.200.10ug/L04/07/23 19:271Dibenz(a,h)anthracene0.20U0.500.200.10ug/L04/07/23 19:271Dibenzofuran1.0U2.01.00.50ug/L04/07/23 19:271Diethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dimethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dinethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Dinethyl phthalate4.0U5.04.02.0ug/L04/07/23 19:271Din-notyl phthalate1.0U5.04.02.0ug/L04/07/23 19:271Fluoranthene0.167J0.500.200.10ug/L04/07/23 19:271Hexachlorobenzene0.22U0.500.240.12ug/L04/07/23 19:271	Carbazole	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Dibenz(a,h)anthracene 0.20 0 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Dibenzofuran 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Diethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Dimethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Dinethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-butyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-octyl phthalate 10 U M 11 10 5.0 ug/L 04/07/23 19:27 1 Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.24 0.12 ug/L 04/07/23	Chrysene	0.20	U	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
Dibenzofuran 1.0 U 2.0 1.0 0.50 ug/L 04/07/23 19:27 1 Diethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Dimethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Dimethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-butyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-octyl phthalate 10 U M 11 10 5.0 ug/L 04/07/23 19:27 1 Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1	Dibenz(a,h)anthracene	0.20	U	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
Diethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Dimethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Din-butyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-butyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-octyl phthalate 10 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1	Dibenzofuran	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Dimethyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-butyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-butyl phthalate 10 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-octyl phthalate 10 U 11 10 5.0 ug/L 04/07/23 19:27 1 Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1	Diethyl phthalate	4.0	U	5.0	4.0	2.0	ug/L		04/07/23 19:27	1
Di-n-butyl phthalate 4.0 U 5.0 4.0 2.0 ug/L 04/07/23 19:27 1 Di-n-octyl phthalate 10 U M 11 10 5.0 ug/L 04/07/23 19:27 1 Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1	Dimethyl phthalate	4.0	U	5.0	4.0	2.0	ug/L		04/07/23 19:27	1
Di-n-octyl phthalate 10 U M 11 10 5.0 ug/L 04/07/23 19:27 1 Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1	Di-n-butyl phthalate	4.0	U	5.0	4.0	2.0	ug/L		04/07/23 19:27	1
Fluoranthene 0.167 J 0.50 0.20 0.10 ug/L 04/07/23 19:27 1 Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1	Di-n-octyl phthalate	10	UM	11	10	5.0	ug/L		04/07/23 19:27	1
Fluorene 0.24 U 0.50 0.24 0.12 ug/L 04/07/23 19:27 1 Hexachlorobenzene 0.22 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1	Fluoranthene	0.167	J	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
Hexachlorobenzene 0.22 U 0.50 0.22 0.11 ug/L 04/07/23 19:27 1	Fluorene	0.24	U	0.50	0.24	0.12	ug/L		04/07/23 19:27	1
	Hexachlorobenzene	0.22	U	0.50	0.22	0.11	ug/L		04/07/23 19:27	1

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Eurofins Lancaster Laboratories Environment Testing, LLC

Job ID: 410-121085-1

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Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-362150/1-A

Matrix: Water Analysis Batch: 362206							, i	Prep Type: To Prep Batch: 3	otal/NA 362150
	MB	МВ							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Hexachlorobutadiene	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Hexachlorocyclopentadiene	10	U	11	10	5.0	ug/L		04/07/23 19:27	1
Hexachloroethane	1.0	U	5.0	1.0	0.50	ug/L		04/07/23 19:27	1
Indeno[1,2,3-cd]pyrene	0.22	U	0.50	0.22	0.11	ug/L		04/07/23 19:27	1
Isophorone	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Naphthalene	0.20	U	0.50	0.20	0.10	ug/L		04/07/23 19:27	1
Nitrobenzene	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
N-Nitrosodi-n-propylamine	1.0	UM	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
N-Nitrosodiphenylamine	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Pentachlorophenol	4.0	U	5.0	4.0	1.0	ug/L		04/07/23 19:27	1
Phenanthrene	0.178	J	0.50	0.22	0.11	ug/L		04/07/23 19:27	1
Phenol	1.0	U	2.0	1.0	0.50	ug/L		04/07/23 19:27	1
Pyrene	0.150	JM	0.50	0.20	0.10	ug/L		04/07/23 19:27	1

	MB	МВ					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
2,4,6-Tribromophenol (Surr)	89		43 - 140	04/07/23 14:33	04/07/23 19:27	1	
2-Fluorobiphenyl (Surr)	86		44 - 119	04/07/23 14:33	04/07/23 19:27	1	
2-Fluorophenol (Surr)	40		19 - 119	04/07/23 14:33	04/07/23 19:27	1	
Nitrobenzene-d5 (Surr)	71		44 - 120	04/07/23 14:33	04/07/23 19:27	1	
p-Terphenyl-d14 (Surr)	96		50 - 134	04/07/23 14:33	04/07/23 19:27	1	
Phenol-d5 (Surr)	27		10 - 120	04/07/23 14:33	04/07/23 19:27	1	

Lab Sample ID: LCS 410-362150/2-A Matrix: Water Analysis Batch: 362206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 362150

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1'-Biphenyl	50.0	51.1		ug/L		102	49 - 115	
2,2'-oxybis[1-chloropropane]	50.0	47.3		ug/L		95	37 - 130	
2,4,5-Trichlorophenol	50.0	54.0		ug/L		108	53 - 123	
2,4,6-Trichlorophenol	50.0	51.7		ug/L		103	50 - 125	
2,4-Dichlorophenol	50.0	50.7		ug/L		101	47 - 121	
2,4-Dimethylphenol	50.0	49.8		ug/L		100	31 - 124	
2,4-Dinitrophenol	100	97.8		ug/L		98	23 - 143	
2,4-Dinitrotoluene	50.0	51.7		ug/L		103	57 - 128	
2,6-Dinitrotoluene	50.0	55.3		ug/L		111	57 - 124	
2-Chloronaphthalene	50.0	49.9		ug/L		100	40 - 116	
2-Chlorophenol	50.0	46.6		ug/L		93	38 - 117	
2-Methylnaphthalene	50.0	48.5		ug/L		97	40 - 121	
2-Methylphenol	50.0	42.3		ug/L		85	30 - 117	
2-Nitroaniline	50.0	53.3		ug/L		107	55 - 127	
2-Nitrophenol	50.0	47.3		ug/L		95	47 - 123	
3,3'-Dichlorobenzidine	100	88.2		ug/L		88	27 - 129	
4,6-Dinitro-2-methylphenol	100	112		ug/L		112	44 - 137	
4-Chloro-3-methylphenol	50.0	44.0		ug/L		88	52 - 119	
4-Chloroaniline	50.0	42.1		ug/L		84	33 - 117	
4-Chlorophenyl phenyl ether	50.0	49.9		ug/L		100	53 - 121	
4-Methylphenol	50.0	39.7		ug/L		79	25 - 120	

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: Method Blank

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

2-Fluorobiphenyl (Surr)

2-Fluorophenol (Surr)

Nitrobenzene-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410				Client Sample ID: Lab Control Sample								
Matrix: Water									Prep Type: Total/NA			
Analysis Batch: 362206									Prep Batch: 362150			
-			Spike	LCS	LCS				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits			
4-Nitroaniline			50.0	45.7		ug/L		91	55 - 126			
4-Nitrophenol			100	53.8		ug/L		54	17 - 120			
Acenaphthene			50.0	53.6		ug/L		107	47 - 122			
Acenaphthylene			50.0	52.1		ug/L		104	41 - 130			
Acetophenone			50.0	48.8		ug/L		98	46 - 118			
Anthracene			50.0	51.8		ug/L		104	57 - 123			
Atrazine			50.0	44.0		ug/L		88	44 - 142			
Benzaldehyde			50.0	43.3		ug/L		87	36 - 120			
Benzo[a]anthracene			50.0	53.8		ug/L		108	58 - 125			
Benzo[a]pyrene			50.0	55.0		ug/L		110	54 - 128			
Benzo[b]fluoranthene			50.0	53.2		ug/L		106	53 - 131			
Benzo[g,h,i]perylene			50.0	57.7		ug/L		115	50 - 134			
Benzo[k]fluoranthene			50.0	55.4		ug/L		111	57 - 129			
Bis(2-chloroethoxy)methane			50.0	48.2		ug/L		96	48 - 120			
Bis(2-chloroethyl)ether			50.0	47.6		ug/L		95	43 - 118			
Bis(2-ethylhexyl) phthalate			50.0	51.1		ug/L		102	55 - 135			
Butyl benzyl phthalate			50.0	52.4		ug/L		105	53 - 134			
Caprolactam			50.0	9.02		ug/L		18	12 - 40			
Carbazole			50.0	55.2		ug/L		110	60 - 122			
Chrysene			50.0	52.1		ug/L		104	59 - 123			
Dibenz(a,h)anthracene			50.0	56.9		ug/L		114	51 - 134			
Dibenzofuran			50.0	51.8		ua/L		104	53 - 118			
Diethyl phthalate			50.0	49.3		ua/L		99	56 - 125			
Dimethyl phthalate			50.0	46.7		ua/L		93	45 - 127			
Di-n-butyl phthalate			50.0	51.0		ua/L		102	59 - 127			
Di-n-octyl phthalate			50.0	47.7		ua/L		95	51 - 140			
Fluoranthene			50.0	52.9		ua/L		106	57 - 128			
Fluorene			50.0	49.7		ua/L		99	52 - 124			
Hexachlorobenzene			50.0	51.9		ua/L		104	53 - 125			
Hexachlorobutadiene			50.0	45.1		9/ ua/l		90	22 - 124			
Hexachlorocyclopentadiene			50.0	40.4		ua/L		81	10 - 82			
Hexachloroethane			50.0	41.9		9/ ua/l		84	21 - 115			
Indeno[1 2 3-cd]pyrene			50.0	59.6		ua/l		119	52 - 134			
Isophorone			50.0	47.1		ua/l		94	42 - 124			
Naphthalene			50.0	49.2		ug/L		98	40 - 121			
Nitrobenzene			50.0	42.7		ua/l		85	45 - 121			
N-Nitrosodi-n-propylamine			50.0	45.0		ug/L		90	49_119			
N-Nitrosodinhenvlamine			42.5	45.0		ug/L		106	51 123			
Pentachlorophenol			100	104		ug/L		104	35 - 138			
Phenanthrene			50.0	52.2		ua/l		104	59 - 120			
Phenol			50.0	21.6		ua/l		43	22 - 69			
Pyrene			50.0	51 7		ug/L		103	57 - 126			
1 31010			00.0	51.7		ug,∟		100	0 120			
	LCS	LCS										
Surrogate	%Recovery	Qualifier	Limits									
2 4 6-Tribromophenol (Surr)	87		43-140									

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44 - 119

19 - 119

44 - 120

91

54

79

Job ID: 410-121085-1

Limits

Lab Sample ID: LCS 410-362150/2-A

Matrix: Water

Surrogate

Caprolactam

Carbazole

Analysis Batch: 362206

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

LCS LCS

%Recovery Qualifier

Job ID: 410-121085-1

Prep Type: Total/NA

Prep Batch: 362150

Client Sample ID: Lab Control Sample

5 **8** 9

p-Terphenyl-d14 (Surr)	98	50 - 134								
Phenol-d5 (Surr)	36	10 - 120								
Lab Sample ID: LCSD 410-3	362150/3-A			(Client S	ample	ID: Lab		Sample	Dup
Matrix: Water						-		Prep Ty	pe: Tot	al/NA
Analysis Batch: 362206								Prep Ba	atch: 36	52150
-		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1'-Biphenyl		50.0	46.1		ug/L		92	49 - 115	10	20
2,2'-oxybis[1-chloropropane]		50.0	39.3		ug/L		79	37 - 130	19	20
2,4,5-Trichlorophenol		50.0	48.2		ug/L		96	53 - 123	11	20
2,4,6-Trichlorophenol		50.0	45.1		ug/L		90	50 - 125	14	20
2,4-Dichlorophenol		50.0	36.9	*1	ug/L		74	47 - 121	31	20
2,4-Dimethylphenol		50.0	35.3	*1	ug/L		71	31 - 124	34	20
2,4-Dinitrophenol		100	87.0		ug/L		87	23 - 143	12	20
2,4-Dinitrotoluene		50.0	47.5		ug/L		95	57 - 128	9	20
2,6-Dinitrotoluene		50.0	49.2		ug/L		98	57 - 124	12	20
2-Chloronaphthalene		50.0	45.7		ug/L		91	40 - 116	9	20
2-Chlorophenol		50.0	38.3		ug/L		77	38 - 117	19	20
2-Methylnaphthalene		50.0	36.7	*1	ug/L		73	40 - 121	28	20
2-Methylphenol		50.0	35.4		ug/L		71	30 - 117	18	20
2-Nitroaniline		50.0	46.0		ug/L		92	55 - 127	15	20
2-Nitrophenol		50.0	36.4	*1	ug/L		73	47 - 123	26	20
3,3'-Dichlorobenzidine		100	62.2	*1	ug/L		62	27 - 129	34	20
4,6-Dinitro-2-methylphenol		100	105		ug/L		105	44 - 137	6	20
4-Chloro-3-methylphenol		50.0	33.8	*1	ug/L		68	52 - 119	26	20
4-Chloroaniline		50.0	26.4	*1	ug/L		53	33 - 117	46	20
4-Chlorophenyl phenyl ether		50.0	46.3		ug/L		93	53 - 121	8	20
4-Methylphenol		50.0	33.3		ug/L		67	25 - 120	17	20
4-Nitroaniline		50.0	42.1		ug/L		84	55 - 126	8	30
4-Nitrophenol		100	50.1		ug/L		50	17 - 120	7	30
Acenaphthene		50.0	44.3		ug/L		89	47 - 122	19	20
Acenaphthylene		50.0	44.6		ug/L		89	41 - 130	16	20
Acetophenone		50.0	39.8		ug/L		80	46 - 118	20	20
Anthracene		50.0	49.0		ug/L		98	57 - 123	6	20
Atrazine		50.0	42.6		ug/L		85	44 - 142	3	20
Benzaldehyde		50.0	36.8		ug/L		74	36 - 120	16	30
Benzo[a]anthracene		50.0	44.9		ug/L		90	58 - 125	18	20
Benzo[a]pyrene		50.0	49.2		ug/L		98	54 - 128	11	20
Benzo[b]fluoranthene		50.0	46.9		ug/L		94	53 - 131	13	20
Benzo[g,h,i]perylene		50.0	48.5		ug/L		97	50 - 134	17	20
Benzo[k]fluoranthene		50.0	48.5		ug/L		97	57 - 129	13	20
Bis(2-chloroethoxy)methane		50.0	34.1	*1	ug/L		68	48 - 120	34	20
Bis(2-chloroethyl)ether		50.0	39.8		ug/L		80	43 - 118	18	20
Bis(2-ethylhexyl) phthalate		50.0	44.2		ug/L		88	55 - 135	15	20
Butyl benzyl phthalate		50.0	40.9	*1	ug/L		82	53 - 134	25	20

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16

95

12 - 40

60 - 122

ug/L

ug/L

7.81

47.7

50.0

50.0

14

15

30

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-362150/3-A					Client Sample ID: Lab Control Sample Dup							
Matrix: Water							Prep Ty	pe: Tot	al/NA			
Analysis Batch: 362206							Prep Ba	atch: 30	362150			
	Spike	LCSD	LCSD				%Rec		RPD			
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
Chrysene	50.0	46.8		ug/L		94	59 - 123	11	20			
Dibenz(a,h)anthracene	50.0	50.7		ug/L		101	51 - 134	11	20			
Dibenzofuran	50.0	45.2		ug/L		90	53 - 118	13	20			
Diethyl phthalate	50.0	45.6		ug/L		91	56 - 125	8	20			
Dimethyl phthalate	50.0	39.1		ug/L		78	45 - 127	18	20			
Di-n-butyl phthalate	50.0	46.4		ug/L		93	59 - 127	9	20			
Di-n-octyl phthalate	50.0	41.7		ug/L		83	51 - 140	13	20			
Fluoranthene	50.0	50.1		ug/L		100	57 - 128	6	20			
Fluorene	50.0	45.5		ug/L		91	52 - 124	9	20			
Hexachlorobenzene	50.0	45.5		ug/L		91	53 - 125	13	20			
Hexachlorobutadiene	50.0	34.3	*1	ug/L		69	22 - 124	27	20			
Hexachlorocyclopentadiene	50.0	29.9		ug/L		60	10 - 82	30	30			
Hexachloroethane	50.0	37.1		ug/L		74	21 - 115	12	20			
Indeno[1,2,3-cd]pyrene	50.0	50.0		ug/L		100	52 - 134	18	20			
Isophorone	50.0	35.2	*1	ug/L		70	42 - 124	29	20			
Naphthalene	50.0	35.3	*1	ug/L		71	40 - 121	33	20			
Nitrobenzene	50.0	33.7	*1	ug/L		67	45 - 121	23	20			
N-Nitrosodi-n-propylamine	50.0	37.0		ug/L		74	49 - 119	20	20			
N-Nitrosodiphenylamine	42.5	42.2		ug/L		99	51 - 123	7	20			
Pentachlorophenol	100	104		ug/L		104	35 - 138	0	20			
Phenanthrene	50.0	49.0		ug/L		98	59 - 120	6	20			
Phenol	50.0	19.0		ug/L		38	22 - 69	13	30			
Pyrene	50.0	48.6		ug/L		97	57 - 126	6	20			

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	79		43 - 140
2-Fluorobiphenyl (Surr)	74		44 - 119
2-Fluorophenol (Surr)	47		19 - 119
Nitrobenzene-d5 (Surr)	57		44 - 120
p-Terphenyl-d14 (Surr)	84		50 - 134
Phenol-d5 (Surr)	32		10 - 120

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 410-360 Matrix: Water Analysis Batch: 361152	964/1-A					Client Sam	ole ID: Method Prep Type: To Prep Batch:	l Blank otal/NA 360964
·	N	IB MB						
Analyte	Resu	ult Qualifier	LOQ	LOD	DL	Unit D	Analyzed	Dil Fac
Ethylene Dibromide (1C)	0.02	20 U	0.030	0.020	0.010	ug/L	04/05/23 17:25	1
	MB	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane (1C)	96		46 - 136			04/05/23 06:26	04/05/23 17:25	1
1,1,2,2-Tetrachloroethane (2C)	88		46 - 136			04/05/23 06:26	04/05/23 17:25	1

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Job ID: 410-121085-1

Job ID: 410-121085-1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: LCS 410-3 Matrix: Water	ab Sample ID: LCS 410-360964/2-A atrix: Water nalveis Batch: 361152					Clie	nt Sai	nple ID	: Lab Cor Prep Ty	itrol Sa pe: Tot	ample al/NA
Analysis Batch: 361152									Prep Ba	tch: 3	60964
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylene Dibromide (1C)			0.128	0.0885		ug/L		69	60 - 140		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1,1,2,2-Tetrachloroethane (1C)	82		46 - 136								
1,1,2,2-Tetrachloroethane (2C)	80		46 - 136								
Matrix: Water Analysis Batch: 361152			Spike	LCSD	LCSD				Prep Ty Prep Ba %Rec	pe: Tot itch: 30	al/NA 60964 RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ethylene Dibromide (1C)			0.128	0.0977		ug/L		76	60 - 140	10	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1,1,2,2-Tetrachloroethane (1C)	89		46 - 136								
1,1,2,2-Tetrachloroethane (2C)	83		46 - 136								
Mathadi 200 0 Anian											
iviethou: 300.0 - Anion	s, ion unr	omatogra	apriy								

Lab Sample ID: MB 410-367913/5 **Matrix: Water** Prep Type: Total/NA Analysis Batch: 367913 MB MB LOD DL Unit Analyte Result Qualifier LOQ D Analyzed Dil Fac Bromide 0.50 U 0.75 0.50 0.25 mg/L 04/24/23 12:37 1 Sulfate 1.0 U 1.5 1.0 0.50 mg/L 04/24/23 12:37 1 0.60 mg/L 04/24/23 12:37 Chloride 1.2 U 1.5 1.2 1

Lab Sample ID: LCS 410-367913/3

Matrix: Water Analysis Batch: 367913

· · · · · , · · · · · · · · · · · · · · · · · · ·	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Bromide	7.50	7.14		mg/L		95	91 - 110	
Sulfate	7.50	7.17		mg/L		96	87 - 112	
Chloride	3.00	2.92		mg/L		97	87 _ 111	

Lab Sample ID: LCSD 410-367913/4 **Matrix: Water** Analysis Batch: 367913

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Bromide	7.50	7.21		mg/L		96	91 - 110	1	15
Sulfate	7.50	7.27		mg/L		97	87 - 112	1	15
Chloride	3.00	2.98		mg/L		99	87 - 111	2	15

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Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

6/5/2023 (Rev. 1)

Prep Type: Total/NA

Prep Type: Total/NA

Method: 300.0 - Anions, Ion Chromatography (Continued)

Client Sample ID: Method Blank Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: MB 410-367937/5 Matrix: Water

Analysis Batch: 367937									
-	MB	МВ							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Bromide	0.50	U	0.75	0.50	0.25	mg/L		04/24/23 11:21	1
Sulfate	1.0	U	1.5	1.0	0.50	mg/L		04/24/23 11:21	1
Chloride	1.2	U	1.5	1.2	0.60	mg/L		04/24/23 11:21	1

Lab Sample ID: LCS 410-367937/3 Matrix: Water Analysis Batch: 367937

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Bromide	7.50	7.69		mg/L		102	91 - 110	
Sulfate	7.50	7.73		mg/L		103	87 - 112	
Chloride	3.00	3.09	М	mg/L		103	87 - 111	

Lab Sample ID: LCSD 410-367937/4 **Matrix: Water**

	2isv	Batch:	367937
7 11 101		Batom	

Manganese, Dissolved

Analysis Datch: 30/93/									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Bromide	7.50	7.66		mg/L		102	91 - 110	0	15
Sulfate	7.50	7.67		mg/L		102	87 - 112	1	15
Chloride	3.00	3.08	М	mg/L		103	87 _ 111	0	15

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 410-361600/1-A Matrix: Water Analysis Batch: 362042	МВ	МВ				Client	: Samp	le ID: Methoo Prep Type: To Prep Batch:	l Blank otal/NA 361600
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit	D	Analyzed	Dil Fac
Iron, Dissolved	160	U	210	160	82	ug/L		04/07/23 09:23	1
Manganese, Dissolved	6.2	U	10	6.2	3.1	ug/L		04/07/23 09:23	1
_ Lab Sample ID: LCS 410-361600/2-A Matrix: Water					Clie	nt Samp	le ID:	Lab Control S	Sample otal/NA

Matrix: Water								Prep Type:	Total/NA
Analysis Batch: 362042		Spike	LCS	LCS				Prep Batch %Rec	1: 361600
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Iron, Dissolved		5000	4870		ug/L		97	87 - 115	
Manganese, Dissolved		500	524		ug/L		105	90 - 114	
Lab Sample ID: MB 410-361602/1-A						Clie	ent Sam	nple ID: Meth	od Blank
Matrix: Water								Prep Type:	Total/NA
Analysis Batch: 362412								Prep Batch	: 361602
-	MB	МВ							
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit		D Analyzed	Dil Fac
Iron, Dissolved	160	U	210	160	82	ug/L		04/07/23 20:5	1 1

10

3.1 ug/L

6.2

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6.2 U

1

04/07/23 20:51

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job ID: 410-121085-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-361602/2-A Matrix: Water						Clie	nt Sai	nple ID	: Lab Control S Prep Type: To	Sample otal/NA
Analysis Batch: 362412			Snike	LCS	LCS				WRec	361602
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Iron, Dissolved			5000	4970		ua/L		99	87 - 115	
Manganese, Dissolved			500	516		ug/L		103	90 - 114	
Lab Sample ID: MB 410-361883/1-A							Clie	ent San	nple ID: Methor	Blank
Matrix: Water							F	Pren Tv	ne: Total Recov	verable
Analysis Batch: 362871									Prep Batch:	361883
······,·······························	MB	МВ								
Analyte	Result	Qualif	ier	LOQ	LOD	DL	Unit		D Analyzed	Dil Fac
Calcium	190	U		200	190	96	ug/L			1
Magnesium	80	U		100	80	40	ug/L		04/10/23 19:44	1
Potassium	410	U		500	410	200	ug/L		04/10/23 19:44	1
Sodium	480	U		1000	480	240	ug/L		04/10/23 19:44	1
Lab Sample ID: LCS 410-361883/2-A Matrix: Water						Clie	nt Saı F	nple ID Prep Ty): Lab Control S pe: Total Reco	Sample verable
Analysis Batch: 362871			0						Prep Batch:	361883
Amelia			Spike	LUS	LUS	11	_	0/ D	%Rec	
			Added	Result	Qualifier		<u> </u>	%Rec		
Calcium			5000	5040		ug/L		101	07 - 110	
			5000	5130		ug/L		103	85 - 113	
Polassium			5000	5050		ug/L		101	80 - 114	
Lab Sample ID: MB 410-361883/1-A Matrix: Water Analysis Batch: 362619	<u>,</u>						Clie F	ent San Prep Ty	nple ID: Methoo pe: Total Recov Prep Batch:	d Blank verable 361883
	MB	MB								
Analyte	Result	Qualif	ier	LOQ	LOD	DL	Unit		D Analyzed	Dil Fac
Arsenic	1.7	U		2.0	1.7	0.68	ug/L		04/10/23 07:41	1
Lead	0.20	U		0.50	0.20	0.071	ug/L		04/10/23 07:41	1
Lab Sample ID: LCS 410-361883/2-A Matrix: Water Analysis Batch: 362619			Spike	LCS	LCS	Clie	nt Saı F	nple ID Prep Ty	: Lab Control S pe: Total Recov Prep Batch: %Rec	Sample verable 361883
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Arsenic	·		500	513		ug/L		103	84 - 116	
Lead			50.0	52.7		ug/L		105	88 - 115	
Method: 2320B-2011 - Alkalinity	, Tota	I								
Lab Sample ID: MB 410-361089/132 Matrix: Water							Clie	ent San	nple ID: Method Prep Type: To	d Blank otal/NA
Analysis Batch: 361089										
	MB	MB								
Analyte	MB Result	MB Qualif	ier	LOQ	LOD	DL	Unit		D Analyzed	Dil Fac
Analyte	MB Result	MB Qualif	ier	LOQ	LOD	DL	Unit		D Analyzed	Dil Fac

Job ID: 410-121085-1

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Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 410-361089/134 Matrix: Water Analysis Batch: 361089				Clie	ent Sai	mple ID	: Lab Contr Prep Type	ol Sample : Total/NA
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Alkalinity as CaCO3 to pH	189	181		mg/L		96	66 - 110	
_4.5								

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-359923/13 Matrix: Water Analysis Batch: 359923						Clie	ent Sam	ple ID: M Prep Ty	lethod pe: To	Blank tal/NA
	MB	МВ								
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit		D Analy	zed	Dil Fac
Nitrite as N	0.040	U	0.050	0.040	0.015	mg/L		04/01/23	14:46	1
Lab Sample ID: LCS 410-359923/14					Clie	nt Sar	nple ID	: Lab Coi	ntrol S	ample
Matrix: Water							- C	Prep Ty	pe: To	tal/NA
Analysis Batch: 359923									· · · ·	
		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrite as N		0.699	0.710		mg/L		101	90 - 110		
_ Lab Sample ID: LCSD 410-359923/15				C	Client Sa	mple	ID: Lab	Control	Sampl	e Dup
Matrix: Water						- C.		Prep Ty	pe: To	tal/NA
Analysis Batch: 359923									•	
		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrite as N		0.699	0.687		mg/L		98	90 - 110	3	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-362377/21 Matrix: Water Analysis Batch: 362377						Clie	ent Sar	mple ID: N Prep Ty	lethod /pe: To	Blank tal/NA
	МВ	МВ								
Analyte	Result	Qualifier	LOQ	LOD	DL	Unit		D Analy	zed	Dil Fac
Nitrate Nitrite as N	0.090	U	0.10	0.090	0.040	mg/L		04/08/23	8 08:26	1
Lab Sample ID: LCS 410-362377/19					Clie	nt Sai	mple II	D: Lab Co	ntrol Sa	ample
Matrix: Water								Prep Ty	pe: To	tal/NA
Analysis Batch: 362377										
		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrate Nitrite as N		2.50	2.35		mg/L		94	90 - 110		
 Lab Sample ID: LCSD 410-362377/20				C	Client Sa	mple	ID: La	b Control	Sampl	e Dup
Matrix: Water								Prep T	vpe: To	tal/NA
Analysis Batch: 362377									•	
-		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N		2.50	2.43		ma/L		97	90 - 110	4	20

QC Association Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job ID: 410-121085-1

GC/MS VOA

Analysis Batch: 363430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-2	EQPT-PUMP_20230329	Total/NA	Water	8260D	
MB 410-363430/6	Method Blank	Total/NA	Water	8260D	
LCS 410-363430/4	Lab Control Sample	Total/NA	Water	8260D	
Analysis Batch: 363	8895				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total/NA	Water	8260D	

410-121003-1	WUADFFWWWUT_03312023_FDD	IUlai/INA	Waler	0200D
410-121085-3	EQPT-TAPE_03312023	Total/NA	Water	8260D
410-121085-4	EQPT-BLANK_03312023	Total/NA	Water	8260D
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	8260D
410-121085-6	FIELD-BLANK_03312023	Total/NA	Water	8260D
MB 410-363895/6	Method Blank	Total/NA	Water	8260D
LCS 410-363895/4	Lab Control Sample	Total/NA	Water	8260D

GC/MS Semi VOA

Prep Batch: 362150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total/NA	Water	3510C	
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	3510C	
MB 410-362150/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-362150/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-362150/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 362206

Lab Sample ID 410-121085-1	Client Sample ID WUABFFMW01_03312023_PDB	Prep Type Total/NA	Matrix Water	Method 8270E	Prep Batch 362150
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	8270E	362150
MB 410-362150/1-A	Method Blank	Total/NA	Water	8270E	362150
LCS 410-362150/2-A	Lab Control Sample	Total/NA	Water	8270E	362150
LCSD 410-362150/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	362150

GC Semi VOA

Prep Batch: 360964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Iotal/NA	Water	8011	
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	8011	
MB 410-360964/1-A	Method Blank	Total/NA	Water	8011	
LCS 410-360964/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 410-360964/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 361152

Lab Sample ID MB 410-360964/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Water	Method 8011	Prep Batch 360964
LCS 410-360964/2-A	Lab Control Sample	Total/NA	Water	8011	360964
LCSD 410-360964/3-A	Lab Control Sample Dup	Total/NA	Water	8011	360964

Analysis Batch: 361529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total/NA	Water	8011	360964
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	8011	360964

QC Association Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job ID: 410-121085-1

HPLC/IC

Lab Sample ID 410-121085-5	Client Sample ID	Prep Type	Matrix Water	Method	Prep Batch
MB 410-367913/5	Method Blank	Total/NA	Water	300.0	
LCS 410-367913/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 410-367913/4	Lab Control Sample Dup	Total/NA	Water	300.0	
Analysis Batch: 367	937				
Lab Sample ID 410-121085-1	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-367937/5	Method Blank	Total/NA	Water	300.0	
LCS 410-367937/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 410-367937/4	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 361600

Lab Sample ID 410-121085-5	Client Sample ID WUABFFMW01_03312023_LF	Dissolved	Matrix Water	Method Non-Digest Prep	Prep Batch
MB 410-361600/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-361600/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
Prep Batch: 361602					
Lab Sample ID 410-121085-1	Client Sample ID WUABFFMW01_03312023_PDB	Prep Type	Matrix Water	Method Non-Digest Prep	Prep Batch
MB 410-361602/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-361602/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total Recoverable	Water	3005A	
410-121085-5	WUABFFMW01_03312023_LF	Total Recoverable	Water	3005A	
MB 410-361883/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-361883/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 362042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-5	WUABFFMW01_03312023_LF	Dissolved	Water	6010C	361600
MB 410-361600/1-A	Method Blank	Total/NA	Water	6010C	361600
LCS 410-361600/2-A	Lab Control Sample	Total/NA	Water	6010C	361600

Analysis Batch: 362412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Dissolved	Water	6010C	361602
MB 410-361602/1-A	Method Blank	Total/NA	Water	6010C	361602
LCS 410-361602/2-A	Lab Control Sample	Total/NA	Water	6010C	361602

Analysis Batch: 362619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total Recoverable	Water	6020A	361883
410-121085-5	WUABFFMW01_03312023_LF	Total Recoverable	Water	6020A	361883
MB 410-361883/1-A	Method Blank	Total Recoverable	Water	6020A	361883
LCS 410-361883/2-A	Lab Control Sample	Total Recoverable	Water	6020A	361883

QC Association Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job ID: 410-121085-1

8	3		
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13

Analysis	Batch:	362871
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Metals

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total Recoverable	Water	6010C	361883
410-121085-5	WUABFFMW01_03312023_LF	Total Recoverable	Water	6010C	361883
MB 410-361883/1-A	Method Blank	Total Recoverable	Water	6010C	361883
LCS 410-361883/2-A	Lab Control Sample	Total Recoverable	Water	6010C	361883

General Chemistry

Analysis Batch: 359923

Lab Sample ID 410-121085-1	Client Sample ID WUABFFMW01_03312023_PDB	Prep Type Total/NA	Matrix Water	Method 353.2	Prep Batch
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	353.2	
MB 410-359923/13	Method Blank	Total/NA	Water	353.2	
LCS 410-359923/14	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-359923/15	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 360069

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
410-121085-1	WUABFFMW01_03312023_PDB	Total/NA	Water	353.2	
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	353.2	

Analysis Batch: 361089

Lab Sample ID 410-121085-1	Client Sample ID WUABFFMW01_03312023_PDB	Prep Type Total/NA	Matrix Water	Method Prep Batch 2320B-2011
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	2320B-2011
MB 410-361089/132	Method Blank	Total/NA	Water	2320B-2011
LCS 410-361089/134	Lab Control Sample	Total/NA	Water	2320B-2011

Analysis Batch: 362377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-121085-5	WUABFFMW01_03312023_LF	Total/NA	Water	353.2	
MB 410-362377/21	Method Blank	Total/NA	Water	353.2	
LCS 410-362377/19	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-362377/20	Lab Control Sample Dup	Total/NA	Water	353.2	

Dilution

Factor

1

1

1

5

1

1

1

1

1

1

1

Run

Batch

363895

Number Analyst

362150 QJZ6

362206 SJ89

360964 UMAD

361529 JC94

367937 L4QM

361602 HUH3

362412 MT26

361883 UAMX

362871 MT26

361883 UAMX

362619 F7JF

361089 DI9Q

362377 Q3HN

359923 Q3HN

360069 UKJF

TQ4J

Lab

ELLE

FILE

ELLE

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Batch

Type

Prep

Prep

Prep

Prep

Prep

Analysis

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dissolved

Dissolved

Total/NA

Total/NA

Total/NA

Total/NA

Total Recoverable

Total Recoverable

Total Recoverable

Total Recoverable

Client Sample ID: WUABFFMW01_03312023_PDB Date Collected: 03/31/23 09:02 Date Received: 04/01/23 09:50

Batch

8260D

3510C

8270E

8011

8011

300.0

6010C

3005A

6010C

3005A

6020A

353.2

353.2

353.2

2320B-2011

Non-Digest Prep

Method

Lab Sample ID: 410-121085-1 Matrix: Water

Prepared

or Analyzed 04/13/23 17:52

04/07/23 14:33

04/07/23 22:17

04/05/23 06:26

04/06/23 10:57

04/24/23 14:28

04/06/23 11:03

04/07/23 22:03

04/07/23 04:43

04/10/23 20:18

04/07/23 04:43

04/10/23 08:19

04/05/23 07:35

04/08/23 09:10

04/01/23 14:47

04/03/23 07:05

Lab Sample ID: 410-121085-2

Lab Sample ID: 410-121085-3

Lab Sample ID: 410-121085-4

Lab Sample ID: 410-121085-5

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Client Sample ID: EQPT-PUMP	20230329
Date Collected: 03/29/23 15:00	
Date Received: 04/01/23 09:50	

_								
	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	363430	UKAD	ELLE	04/12/23 12:22

Client Sample ID: EQPT-TAPE_03312023 Date Collected: 03/31/23 10:00

Date Received: 04/01/23 09:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	363895	TQ4J	ELLE	04/13/23 18:14

Client Sample ID: EQPT-BLANK_03312023 Date Collected: 03/31/23 11:15 Date Received: 04/01/23 09:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	363895	TQ4J	ELLE	04/13/23 13:27

Client Sample ID: WUABFFMW01_03312023_LF Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	363895	TQ4J	ELLE	04/13/23 18:36

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Client Sample ID: WUABFFMW01_03312023_LF Date Collected: 03/31/23 15:45 Date Received: 04/01/23 09:50

Lab Sample ID: 410-121085-5 **Matrix: Water**

	Detail	Datab		Dilation	Batal			Deserved	
Prep Type	Batch Type	Batch Method	Run	Factor	Batch Number	Analyst	Lab	Prepared or Analyzed	5
Total/NA	Prep	3510C			362150	QJZ6	ELLE	04/07/23 14:33	
Total/NA	Analysis	8270E		1	362206	SJ89	ELLE	04/07/23 22:38	
Total/NA	Prep	8011			360964	UMAD	ELLE	04/05/23 06:26	
Total/NA	Analysis	8011		1	361529	JC94	ELLE	04/06/23 11:14	
Total/NA	Analysis	300.0		5	367913	L4QM	ELLE	04/24/23 14:32	
Dissolved	Prep	Non-Digest Prep			361600	HUH3	ELLE	04/06/23 10:59	8
Dissolved	Analysis	6010C		1	362042	MT26	ELLE	04/07/23 10:00	
Total Recoverable	Prep	3005A			361883	UAMX	ELLE	04/07/23 04:43	9
Total Recoverable	Analysis	6010C		1	362871	MT26	ELLE	04/10/23 20:05	10
Total Recoverable	Prep	3005A			361883	UAMX	ELLE	04/07/23 04:43	10
Total Recoverable	Analysis	6020A		1	362619	F7JF	ELLE	04/10/23 08:11	
Total/NA	Analysis	2320B-2011		1	361089	DI9Q	ELLE	04/05/23 07:28	
Total/NA	Analysis	353.2		1	362377	Q3HN	ELLE	04/08/23 09:12	
Total/NA	Analysis	353.2		1	359923	Q3HN	ELLE	04/01/23 14:47	
Total/NA	Analysis	353.2		1	360069	UKJF	ELLE	04/03/23 07:05	13
Client Sample	e ID: FIE	LD-BLANK 03	312023	,			Lal	b Sample ID: 410-121085	-6 14
Date Collected:	03/31/23 1	5:45						Matrix: Wat	er

Date Received: 04/01/23 09:50 Batch Batch Dilution Batch Prepared Method Number Analyst or Analyzed Prep Type Туре Run Factor Lab Total/NA Analysis 8260D 1 363895 TQ4J ELLE 04/13/23 13:49

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job ID: 410-121085-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		Program	Identification Number	Expiration Date	
A2LA		Dept. of Defense ELAP	0001.01	11-30-24	
The following analyte the agency does not	s are included in this re offer certification.	port, but the laboratory is not	certified by the governing authority.	This list may include analytes for which	
Analysis Method	Prep Method	Matrix	Analyte		
353.2		Water	Nitrate Nitrite as N		
6010C	3005A	Water	Calcium		
6010C	3005A	Water	Magnesium		
6010C	3005A	Water	Potassium		
6010C	3005A	Water	Sodium		
6010C	Non-Digest Prep	Water	Iron, Dissolved		
6010C	Non-Digest Prep	Water	Manganese, Dissolved		
6020A	3005A	Water	Arsenic		
6020A	3005A	Water	Lead		
Method Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	ELLE
300.0	Anions, Ion Chromatography	EPA	ELLE
6010C	Metals (ICP)	SW846	ELLE
6020A	Metals (ICP/MS)	SW846	ELLE
2320B-2011	Alkalinity, Total	SM	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrate-Nitrite	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
8011	Microextraction	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Sample Summary

Client: INTERA Inc Project/Site: WUA Data Gap Well for KAFB BFF

Job	ID:	410-	121	085-1
000				000 1

l ab Sample ID	Client Sample ID	Matrix	Collected	Received
410-121085-1	WUABFFMW01_03312023_PDB	Water	03/31/23 09:02	04/01/23 09:50
410-121085-2	EQPT-PUMP_20230329	Water	03/29/23 15:00	04/01/23 09:50
410-121085-3	EQPT-TAPE_03312023	Water	03/31/23 10:00	04/01/23 09:50
410-121085-4	EQPT-BLANK_03312023	Water	03/31/23 11:15	04/01/23 09:50
410-121085-5	WUABFFMW01_03312023_LF	Water	03/31/23 15:45	04/01/23 09:50
410-121085-6	FIELD-BLANK_03312023	Water	03/31/23 15:45	04/01/23 09:50

Eurofins Lancaster Laboratories Environme

2425 New Holland Pike Lancaster, PA 17601 Phone: 717-656-2300 Fax: 717-656-2681

Chain of	^f Custody	Record
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eurofins

Environment Testing

Client Information	Sampler Price / A Hafree			Lab P	Lab PM: Barnhart, Amanda 410-121085 Chain of Custody									1111 111 1	COC No: 410-84275-23364 1				
Client Contact:	Phone:				E-Mail:								Page:						
Company			PWSID:	ĮAma	Inda B	amha	art@e	et.eu	rofins	us.co	m			-			_	Page 1 of 2	
NTERA Inc						-	-		A	naly	sis	Req	uest	ed					
6000 Uptown Blvd NE Ste 220	Due Date Request	ed:							1kv									Preservation Codes: M - Hexane	
Sity: Nbuquerque	TAT Requested (d	ays):							1 Fi									B - NaOH N - None C - Zn Acetate D - AsNaO2	
tate, Zip: IM 87110	Compliance Projec	ct: A Yes	A No						Tele		ţ	ulfate						D - Nitric Acid Q - Na2SO3 E - NaHSO4 Q - Na2SO3	
hona:	PO#								Wu		nate	de, Si		Nitri				F - MeOH S - H2SO4	
mail:	ABWUA.C009.F	CAFB			No)				- Fe,		carbo	Bromi		ate &			20	H - Ascorbic Acid I - Ice U - Acetone	
price@intera.com	Devices 4				r No)		ő		letals	omid	nate,	ide, E		Nitra			2	J - DI Water W - pH 4-5	
VUA Data Gap Well for KAFB BFF	41014469				ез <u>о</u>	NOV D	SVO	DOD	ved N	Dibr	arbo	Chlor		Tota			tain	L - EDA Z - other (specify)	
ito:	SSOW#:				Samp SD (Y	TCL 4.	CL 4.	020A_	Dissol	hylene	ty - bic	- D5 -	litrite	rogen,			of coi	Other:	
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewater Secolid, Oewasta/oll, BT=Tissue, A+Air)	Field Filtered : Perform MS/M	82600_DOD6 - '	8270E_DOD6 - 1	6010C_DOD5, 6	6010C_DOD5 - 1	8011_DOD6 - Et	2320B - Alkalini	300_ORFM_28D	363.2_Nitrite - N	363.2_Pres - Nit			Total Number	Special Instructions/Note:	
	01/21/22	26.2	Preserva	ation Code:	ŘΧ	A	N	D	D	A	N	N	N S	S N	,		X		
NUABERMWOI_03312023-PBB	15/3/23	0702	G	W		X	X	X	X	X	Δ	X	X	XI)		_			
EQPT-PUMP-20230329	03/29/23	1500	G	Ag	\square	X										_			
Eapt-TAPE-03312023	@3/31/23	1000	6	An		X													
EQPT-BLANK-03312023	03/31/23	1115	G	Ag		X													
WUABFFMW01_03312023_LF	03/31/23	1545	G	Aq		X	X	Х	X	Х	X	X	X	XX					
FIELD-BLANK =03312023	03/31/23	1545	G	Aq		X						_	_						
						+	-							-	++	+			
Possible Hazard Identification Non-Hazard Flammable Skin Irritant Deliverable Requested: 1, 11, 111, IV, Other (specify)	Poison B Unkr	nown	Radiologica	1	Si	ample Becial	e Dis Return	posa n To ructio	I (A Clien ns/Q	fee n t C Re	nay i	be as	sess spos	ed if . al By I	ample:	s are re	etain Arch	ed longer than 1 month) nive For Months	
Empty Kit Relinquished by		Date:			Time	:	_	_		_		_	M	lethod	of Shipme	ent:	_		
allison Hyper INTERA	INTERA 3/31/23 1045 IN				A	Rec	eived i	by		_	/	-			Date/I	lme:	a: Company		
kelinquisnea by: V	Date/Time:			Company	_	Rec	Bived	by.							Date/T	ime:		Company	
Relinquished by:	Date/Time:		/	Cempany		Reci	eived	T	n	-		+	_		Date/T	1/23	2	9:50 STET	
Custody Seals Intact: Custody Seal No.:	1					Cool	er Te	nperal	ture(s)	°C an	d Oth	er Rer	narks:			C)) A	
			P	ane 45 o	f 46	-												Ver: 06/08/2021 6/5/2023 (F	

Login Sample Receipt Checklist

Client: INTERA Inc

Job Number: 410-121085-1

Login Number: 121085 L	ist Source: Eurofins L	ancaster Laboratories Environment Testing. LLC	
List Number: 1 Creator: McBeth, Jessica		U.	5
Question	Answer	Comment	
The cooler's custody seal is intact.	True		
The cooler or samples do not appear to have been compromised tampered with.	or True		7
Samples were received on ice.	True		8
Cooler Temperature is acceptable (=6C, not frozen).</td <td>True</td> <td></td> <td></td>	True		
Cooler Temperature is recorded.	True		9
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td> <td></td>	N/A		
WV: Container Temperature is recorded.	N/A		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
There are no discrepancies between the containers received and	the COC. True		
Sample containers have legible labels.	True		13
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		15
Sample bottles are completely filled.	True		15
There is sufficient vol. for all requested analyses.	True		
Is the Field Sampler's name present on COC?	True		
Sample custody seals are intact.	N/A		
VOA sample vials do not have headspace >6mm in diameter (non WV)?	e, if from True		



Appendix C Waste Manifest



Ple	ease print or type	(10 silos) b securitors)											
A	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number VSQG	nana na paramitra i	2. Page 1 of 3	Emergency Response 800-861-1	Phone 700	4. Waste Tr	racking Nur 1 3 7	^{mber} 88 - 1	2			
	5. Generator's Name and M Albuquerque Ber 1 Civic Plaza NV Albuquerque NM Generator's Phone: 505	alling Address nafillo County Water Util V 1 87103 289-3008	Att: Diane ity Authority	Agnew	ienerator's Site Address	s (if different t	han mailing addro	ess)					
10	Advanced Environmental Solutions, Inc.												
	Company Name U.S. EPA ID Number												
	8. Designated Facility Name and Site Address. U.S. EPA ID Number Advanced Environmental Solutions, Inc. 2318 Roldan Drive Belen NM 87002 N M R 0 0 0 0 6 5 0 Facility's Phone:505 861-1700												
	9. Waste Shipping Na	me and Description			10. Conta No.	ainers Type	11. Total Quantity	12. Unit Wt./Vol.					
GENERATOR -	Non RCRA R Water	egulated, Non DOT Haz	ardous	ร้างระหารเริ่าใจแล		TP	200	G		- An			
	3.	· · · · · · · · · · · · · · · · · · ·	a da										
	τ.						3						
	13. Special Handling Instruc	tions and Additional Information	# AES Profile (L) AES Profile	AES1005	òte			9.Df	0N-17A 1008	2.			
	14. GENERATOR'S/OFFERO	DR'S CERTIFICATION: I hereby decla	are that the contents of this contents of this contents of this content account accoun	onsignment are fu	illy and accurately desc	ribed above	by the proper shi	Ding name,	and are classifie	ed, packaged,			
V	Generator's/Offeror's Printed	Typed Name for A	BCWUN	Signat					Month	Day Year 3 Z3			
	Transporter Signature (for ex	ports only):		Export from U.S.	Port of ent Date leavi	ry/exit: ng U.S.:							
INANSPORTER	16. Transporter Acknowledger Transporter 1 Printed/Typed	Name		Signati 	re <u>kolres</u>	el	N		Month	Day Year 323 Day Year			
1	17. Discrepancy 17a. Discrepancy Indication S	pace Quantity			Besidue		Partial Baia	ction		ull Rejection			
		<u> </u>	L (ype		Manifest Reference N	umber:	and heje	00011					
	17b. Alternate Facility (or Generator) U.S. EPA ID Number												
ALED TAL	Facility's Phone: 17c. Signature of Alternate Fa	cility (or Generator)			e				Month	Day Year			
n Foldi													
'	18. Designated Facility Owner Printed/Typed Name	or Operator: Certification of receipt o	f materials covered by the materials	anifest except as Signate	noted in Item 17a	5	anche	R	Month	Day Year 3 23			
G	C Labels • Printe 1-800-997-	ed in the USA 6966	DESIGNATED F	ACILITY TO	GENERATOR		Reorder	Part# N 913-8	MANIFES 97-6966	T-C6NHWC			