

March 29, 2021

1814 Franklin Street
Suite 505
Oakland, CA 94612
T +1 415 500 5892

Mr. Scott Strine
Senior Vice President
DPIF3 CA 30 Enterprise Ave, LLC
2860 South River Road, Suite 480
Des Plaines, Illinois 60018

Re: Phase II Environmental Site Assessment Activities Report
KFAQ and KTRB Transmitter Site
3636 Enterprise Avenue
Hayward, California 94545

Dear Mr. Strine:

This letter report documents the Phase II Environmental Site Assessment activities conducted by RPS Group, Inc. (RPS Group) at the KFAQ and KTRB Transmitter Site. The physical address of the KFAQ and KTRB Transmitter Site is 3636 Enterprise Avenue, in Hayward, California.

The Phase II Environmental Site Assessment activities conducted at the site include:

1. Collecting soil and groundwater samples from seven borings drilled throughout the site,
2. Documenting the geology encountered at the boring locations, and
3. Analyzing the soil and groundwater samples for potential contaminants.

The Phase II Environmental Site Assessment activities were conducted per the requirements of the San Francisco Bay Regional Water Quality Control Board (RWQCB) and the governing Certified Unified Program Agency (CUPA). The City of Hayward Fire Department, Hazardous Materials Program, is the governing CUPA for the KFAQ and KTRB Transmitter Site.

OBJECTIVE

The objective of the site assessment activities was to better determine the extent to which, if any, hazardous materials released from the adjacent former Runnels Industries (Runnels) property have impacted the KFAQ and KTRB Transmitter Site as it relates to the future onsite construction and occupancy of a potential warehouse.

BACKGROUND

The KFAX and KTRB Transmitter Site is an 11.3-acre parcel developed with an approximately 800-square-foot fully functional AM radio broadcasting station. The towers and radio transmitter building are generally unmanned. Radio station staff conduct maintenance activities at the site as needed.

Phase I Environmental Site Assessment activities conducted at the KFAX and KTRB Transmitter Site in November 2020 identified hazardous material releases from the Runnels property as a Recognized Environmental Condition.

The Runnels property is located along the eastern boundary and upgradient of the KFAX and KTRB Transmitter Site. On November 20, 2003, the groundwater flow at the Runnels property was recorded to be to the southwest, at a gradient of approximately 0.004 foot/foot.

According to regulatory agency records, Runnels Industries was in operation from at least 1966 through 2006. The facility's operations primarily consisted of the application of surface coatings on prefabricated metal materials. This included sandblasting with silicon, nickel slag, or glass beads followed by steam cleaning or chemical treatment. Surface coatings, including paints and high performance coating such as zinc epoxy urethane, were then sprayed onto the prepared materials. There were various interior and exterior chemical storage areas at this facility where paints, solvents, lubricating oils, hydraulic fluids, and fuels were stored. The facility also operated a 1,000-gallon methyl ethyl ketone underground storage tank (UST), a 1,000-gallon diesel UST, a 500-gallon gasoline UST, and an oil-water separator (OWS). The USTs were removed in 1993 and the OWS was removed in 2009.

In the late-1960s to early-1970s, Runnels facility operations appeared to extend onto the southeastern portion of the KFAX and KTRB Transmitter Site. It was subsequently determined that waste dumping of sand blast grit generated at the Runnels facility extended onto the southeastern portion of the KFAX and KTRB Transmitter Site.

Since 1996, the Runnels property has undergone various soil and groundwater investigations under the supervision of the RWQCB, including the installation of five on-site groundwater monitoring wells. Groundwater was determined to have been impacted with metals, trichloroethene, tetrachloroethene and 1,1-Dichloroethene (1,1-DCE). In 1998, nine borings were advanced along the western portion of the Runnels property, downgradient of a former diesel-powered air compressor and equipment wash down area (along the eastern boundary of the KFAX and KTRB Transmitter Site). The analytical results of the soil samples from these borings revealed total petroleum hydrocarbons as diesel (TPH-d) concentrations as high as 640 mg/kg.

In 2003, as part of the Runnels property site assessment activities, surface soil samples were collected from three areas on the KFAX and KTRB Transmitter Site. The three sample locations were selected based on a visual survey of the site for blast grit on surface soils. The soil sample which was collected on the southeastern portion of the site, contained elevated concentrations of arsenic, chromium, and copper. The soil sample, which was collected along the eastern fence line, contained elevated concentrations of TPH-d, total petroleum hydrocarbons as oil, chromium, and zinc.

In 2010, a Corrective Action Plan was submitted and approved by the RWQCB. The remedial activities would eventually include abandonment of the remaining groundwater wells; soil sampling throughout the Runnels

**Phase II Environmental Site Assessment Activities
KFOX and KTRB Transmitter Site
Hayward, California**



Property, the KFOX and KTRB Transmitter Site, and the south-adjointing railroad spur; and soil excavation and removal on the Runnels Property and the KFOX and KTRB Transmitter Site.

The analytical results of the soil samples determined that the areas to be excavated on the KFOX and KTRB Transmitter Site included a large portion of the southeastern corner and a small area on the south-central portion where sandblast grit was observed. The target chemicals of concern (COC) for the soil removal included TPH-d, total petroleum hydrocarbons as motor oil (TPH-mo), arsenic, lead, zinc, and polycyclic aromatic hydrocarbons (PAHs). Soil excavation on the KFOX and KTRB Transmitter Site was conducted from May to September 2010 to a depth of 1 to 1.5 feet below ground surface (bgs). Soil was continuously excavated until confirmation samples met the pre-established cleanup goals for the above COC. A total of 1,960 cubic yards of soil was excavated and removed from the KFOX and KTRB Transmitter Site and the Runnels property. The excavations were backfilled with imported fill.

A Covenant and Environmental Restriction on Property (Covenant) was prepared for the Runnels Property (filed with Alameda County Recorder on November 29, 2010), which restricts land use to industrial, commercial or office space, and prohibits the drilling of water supply wells on the Runnels Property. The Covenant also required the implementation of a Soil Management Plan (SMP), which was submitted to and approved by the RWQCB. Based on the completion of the soil removal action, filing of the land use covenant, and submittal of the SMP, the RWQCB issued a No Further Action letter for the Runnels property on April 15, 2011.

Although cleanup goals were achieved for the KFOX and KTRB Transmitter Site excavations, residual concentrations of petroleum hydrocarbons, metals and PAHs remain in on-site soils. It is important to note that the environmental investigations associated with the Runnels property did not include an assessment of the groundwater beneath the KFOX and KTRB Transmitter Site for potential impacts from the Runnels property. In addition, concentrations of trichloroethene, tetrachloroethene and 1,1-DCE were detected in soil and groundwater beneath the Runnels property, but these chemicals (along with other volatile organic compounds [VOCs]) were not assessed as part of the prior site investigations. Therefore, there is a potential that additional subsurface impacts originating from the Runnels property remain at the KFOX and KTRB Transmitter Site.

Copies of historical documents associated with the environmental assessment and remediation work conducted at the former Runnels property (RWQCB Closure Letter, Covenant and Environmental Restriction on Property, and Soil Management Plan) are included as Attachment A.

PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

Well Permit

On March 2, 2021, the Alameda County Public Works Agency - Water Resources, issued a permit to advance seven borings and to collect soil and groundwater samples from each boring (Permit Number W2021-0151).

The specific work permit conditions included:

1. Field personnel would be trained and prepared to identify contamination,

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



2. A health and safety plan (HASP) would be prepared and reviewed with all field personnel,
3. Field personnel will be HAZWOPER trained,
4. Field screening of boring generated soil would be conducted with the use of a photoionization detector (PID) or flame ionization detector (FID), with readings recorded on the boring logs,
5. All boring generated soil and extracted groundwater, if encountered, would be assumed to be hazardous until laboratory analytical data is available to adequately characterize these materials,
6. Soil and groundwater sampling results and/or field observations, including boring logs will be forwarded to the ACPWA, attention James Yoo via electronic mail jamesy@acpwa.org, in the event contamination is encountered,
7. Any soil and/or groundwater that is proposed for off-site disposal will be properly characterized and disposed-of at an appropriately licensed disposal facility, and
8. Sampling and safety procedures will comply with the Runnels property SMP.

A copy of the well permit documentation is included as Attachment B.

Underground Utility Survey

On March 3, 2021, a request was made to USA North 811 to have utility members mark or locate their facilities at the worksite. No utility member facilities were located in the worksite. Additionally, GPRS, Inc. (GPRS) was contracted to conduct an independent third party underground utility survey of the seven boring locations. GPRS conducted the survey on March 9, 2021 and cleared all boring locations of underground utilities. A copy of the USA North 811 "ticket" and a copy of the GPRS Job Summary are included as Attachment C.

Completion of Soil Borings

On March 11, 2021, the seven borings (DSB-1 through DSB-7) were advanced using a 2.25-inch diameter direct push GeoProbe rig. At each boring location:

1. A continuous core sample was collected and evaluated to determine the geological structure encountered as the boring was advanced,
2. Environmental field screening of the encountered soil was conducted using of a PID and the readings were recorded,
3. The depth to groundwater was measured and recorded,
4. A sample of the soil encountered at 2 feet bgs was collected for laboratory analysis, and
5. A sample of the encountered groundwater was collected for laboratory analysis.

The soil and groundwater samples were recorded on a Chain of Custody Record and delivered to a State Certified laboratory for analysis.

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



Soil samples were analyzed for the following compounds:

1. PAHs using EPA Method 8270,
2. California Administrative Manual 17 (CAM17) metals using EPA Method 6010
3. VOCs using EPA Method 8260
4. TPH-d using EPA Method 8015
5. TPH-mo using EPA Method 8015
6. Total petroleum hydrocarbons as gasoline(TPH-g) using EPA Method 8015

The groundwater samples were analyzed for the following compounds:

1. PAHs using EPA Method 8270
2. CAM17 metals using EPA Method 6010
3. VOCs using EPA Method 8260
4. TPH-d using EPA Method 8015
5. TPH-mo using EPA Method 8015
6. TPH-g using EPA Method 8015

The groundwater samples analyzed for CAM17 metals were filtered for suspended particulates in the laboratory.

The borings were decommissioned immediately after sampling per the requirements of the Alameda County Public Works Agency - Water Resources, under the supervision of an Alameda County Public Works Agency Inspector.

PHASE II ENVIRONMENTAL SITE ASSESSMENT RESULTS

Geology

Generally, from top to bottom, the geological structure encountered in the borings consisted of a layer of Fat Clay from surface level to a depth ranging from 2 feet bgs to 5.5 feet bgs. The layer of Fat Clay was followed by a layer of Lean Clay, which extended to the bottom of boring (12 feet bgs).

Further details of the geological structure encountered in the borings are presented in the boring logs. The boring logs are included as Attachment D.

Field Screening

The core samples were monitored with a PID for petroleum hydrocarbons. This was accomplished by placing portions of each core sample, from 2, 6, and 10 feet bgs, into clean Ziploc bags and monitoring the headspace in the bag with PID. Additionally, the core samples were visually inspected for signs of

contamination. All PID readings were 0.0 parts per million (ppm) and there were no observed signs of contamination on the soil. The field screening PID readings are recorded on the boring logs (Attachment D).

Depth to Groundwater

The depth to groundwater encountered in the borings ranged from 6.83 feet bgs (DSB-7 in the southwest portion of the site) to 8.17 feet bgs (DSB-1 in the northeast portion of the site). The measurements of the depth to groundwater are recorded on the boring logs (Attachment D) and in Table 1.

Soil Sample Analytical Results

The soil samples were shipped to and analyzed by Enthalpy Analytical, LLC (Enthalpy Analytical) in Berkeley California.

Based on the laboratory analytical results, the concentrations of PAHs, petroleum hydrocarbons, VOCs, and CAM17 metals in the soil encountered in the borings are as follows:

1. Concentrations of PAHs were below the laboratory analytical detection limits (non-detect) for all soil boring locations,
2. Concentrations of VOCs, including benzene, toluene, ethylbenzene, xylene (BTEX), were non-detect for all soil boring locations,
3. Concentrations of TPH-d were non-detect for all soil boring locations,
4. Concentrations of TPH-mo were non-detect for all soil boring locations,
5. Concentrations of TPH-g were non-detect for all soil boring locations,
6. The following CAM17 metals were detected in the borings: arsenic, barium, beryllium, cadmium (only DSB-2), chromium, cobalt, copper, lead, nickel, vanadium, and zinc,
7. Only arsenic concentrations were above the Environmental Screening Level (ESL) for Direct Exposure Human Health Risk Levels, Commercial/Industrial: Shallow Soil Exposure, Non-Cancer Risk (DSB-1, DSB-2, DSB-3, DSB-4, DSB-6, and DSB-7) and above the ESL for Direct Exposure Human Health Risk Levels, Commercial/Industrial: Shallow Soil Exposure, Cancer Risk (DSB-5),
8. The arsenic concentrations in all the soil samples was above the ESL for Direct Exposure Human Health Risk Levels, Construction Worker: Any Land Use/Any Depth Soil Exposure, Cancer Risk and the ESL for Direct Exposure Human Health Risk Levels, Construction Worker: Any Land Use/Any Depth Soil Exposure, Non-Cancer Risk, and
9. All other CAM17 metal concentrations were below their associated ESL for Direct Exposure Human Health Risk Levels, Commercial/Industrial: Shallow Soil Exposure, Cancer Risk and Non-Cancer Risk and below their associated ESL for Direct Exposure Human Health Risk Levels, Construction Worker: Any Land Use/Any Depth Soil Exposure, Cancer Risk and Non-Cancer Risk.

Table 2 presents a summary of the soil sample analytical results. The Laboratory Analytical Reports for the soil samples are included as Attachment E.

Groundwater Sample Analytical Results

The groundwater samples were shipped to and analyzed by Enthalpy Analytical.

Based on the laboratory analytical results, the concentrations of PAHs, petroleum hydrocarbons, VOCs, and CAM17 metals in the groundwater encountered in the borings are as follows:

1. Concentrations of PAHs were non-detect for all groundwater samples,
2. The following VOCs were detected in the groundwater samples collected from DSB-1, DSB-2, DSB-3, DSB-5, and DSB-6: 1,1-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene,
3. Only trichloroethene concentrations detected in the groundwater samples collected from DSB-1, DSB-2, DSB-3, DSB-5, and DSB-6 were above the ESL for Groundwater Vapor Intrusion Human Health Risk Levels, Commercial/Industrial: Cancer Risk,
4. Concentrations of all other VOCs, including BTEX, were non-detect for all groundwater samples,
5. The groundwater sample from DSB-5 contained TPH-d at a concentration of 170 ug/L, which is below the ESL for Direct Exposure Human Health Risk Levels,
6. Concentrations of TPH-d were non-detect for all other groundwater samples,
7. Concentrations of TPH-mo were non-detect for all groundwater samples,
8. Concentrations of TPH-g were non-detect for all groundwater samples,
9. The following CAM17 metals were detected in the groundwater samples: barium, cobalt, copper, molybdenum, nickel, vanadium, and zinc.
10. All CAM17 metal concentrations were below their associated ESL for Direct Exposure Human Health Risk Levels, Commercial/Industrial: Shallow Soil Exposure, Cancer Risk and Non-Cancer Risk.

Table 3 presents a summary of the groundwater sample analytical results. The Laboratory Analytical Reports for the groundwater samples are included as Attachment E.

CONCLUSIONS

Based on the laboratory analytical results for the soil and groundwater samples collected from the seven boring locations, and the field conditions observed during drilling and sampling activities, the following conclusions are made.

1. The soil at the site contains arsenic concentrations above the ESL for Direct Exposure Human Health Risk Levels, Commercial/Industrial: Shallow Soil Exposure, Non-Cancer Risk and Cancer Risk and above the ESL for Direct Exposure Human Health Risk Levels, Construction Worker: Any Land Use/Any Depth Soil Exposure, Cancer Risk and Non-Cancer Risk. The levels of arsenic concentrations in the soil are consistent with those commonly found throughout the northern California region.

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



2. The groundwater under the site contains 1,1-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene. Trichloroethene concentrations are above the ESL for Groundwater Vapor Intrusion Human Health Risk Levels, Commercial/Industrial: Cancer Risk. There are health risks to future occupants from potential VOC vapor intrusion from the groundwater into the new warehouse, and protective measures will need to be put in place to mitigate any risks.
3. The RWQCB did not previously require any further investigation of the chlorinated solvents beneath the adjacent Runnels site. No groundwater remediation was conducted nor was any ongoing groundwater monitoring required. The groundwater contamination identified beneath the KFAQ and KTRB Transmitter Site strongly suggests there are impacts from the adjacent Runnels site.

Thank-you. Should you have any questions, or require additional information, please do not hesitate to contact me.

Sincerely yours,

RPS Group, Inc.

Alonzo Granados, PE
Vice President

Attachments:

Figure 1 – Soil and Groundwater Sample Locations and Arsenic Concentrations in Soil

Figure 2 – Soil and Groundwater Sample Locations and Trichloroethene Concentrations in Groundwater

Table 1 – Depths to Groundwater

Table 2 – Analytical Results, Soil Samples

Table 3 – Analytical Results, Groundwater Samples

Attachment A – Former Runnels Industries Property Historical Documents (RWQCB Closure Letter, Covenant and Environmental Restriction on Property, and Soil Management Plan)

Attachment B – Well Permit Documentation

Attachment C – Underground Utility Survey Documentation

Attachment D – Boring Logs

Attachment E – Laboratory Analytical Reports

Attachment F – Photolog

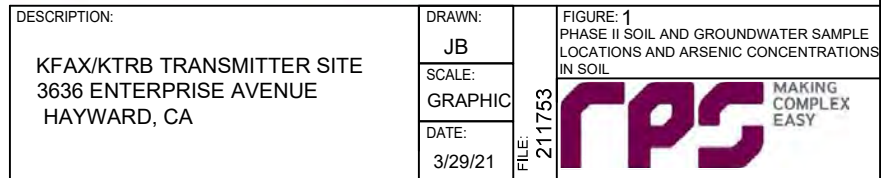


TABLE 1
Depth to Groundwater
GeoProbe Borings

Sample Location	Depth to Groundwater
DSB-1	8'-2"
DSB-2	8'-0"
DSB-3	8'-1"
DSB-4	8'-0"
DSB-5	8'-1"
DSB-6	7'-3"
DSB-7	6'-10"

**TABLE 2
ANALYTICAL RESULTS
SOIL SAMPLES
CAM 17 METALS**

Sample ID	Antimony (mg/Kg)	Arsenic (mg/Kg)	Barium (mg/Kg)	Beryllium (mg/Kg)	Cadmium (mg/Kg)	Chromium (mg/Kg)	Cobalt (mg/Kg)	Copper (mg/Kg)	Lead (mg/Kg)	Molybdenum (mg/Kg)	Nickel (mg/Kg)	Selenium (mg/Kg)	Silver (mg/Kg)	Thallium (mg/Kg)	Vanadium (mg/Kg)	Zinc (mg/Kg)	Mercury (mg/Kg)
	EPA 6010B																
DSB-1	<3.3	5.1	210	0.61	<0.54	47	11	24	7.9	<1.1	55	<3.3	<0.54	<3.3	39	48	<0.15
DSB-2	<3.0	5.7	220	0.67	0.54	53	12	26	8.8	<0.99	67	<3.0	<0.50	<3.0	40	54	<0.15
DSB-3	<2.8	4.3	190	0.62	<0.46	42	8.4	21	7.8	<0.93	44	<2.8	<0.46	<2.8	25	44	<0.14
DSB-4	<3.1	4	230	0.64	<0.52	48	10	22	9.6	<1.0	52	<3.1	<0.52	<3.1	36	48	<0.16
DSB-5	<3.2	3.3	150	0.58	<0.53	42	8.6	22	7.2	<1.1	44	<3.2	<0.53	<3.2	25	46	<0.15
DSB-6	<2.8	4	240	0.61	<0.46	48	7.3	25	6.6	<0.92	46	<2.8	<0.46	<2.8	35	49	<0.16
DSB-7	<3.1	5.1	180	0.66	<0.52	49	13	26	8.3	<1.0	59	<3.1	<0.52	<3.1	39	50	<0.17
ESL - Direct Exposure Human Health Risk Levels Commercial/Industrial: Shallow Soil Exposure, Cancer Risk	N/A	0.31	N/A	6,900	4,000	N/A	1,900	N/A	380	N/A	64,000	N/A	N/A	N/A	N/A	N/A	N/A
ESL - Direct Exposure Human Health Risk Levels Commercial/Industrial: Shallow Soil Exposure, Non-Cancer Risk	160	3.60	220,000	230	1,100	N/A	350	47,000	320	5,800	11,000	5,800	5,800	12	5,800	350,000	190
ESL - Direct Exposure Human Health Risk Levels Construction Worker: Any Land Use/Any Depth Soil Exposure, Cancer Risk	N/A	2	N/A	180	110	N/A	49	N/A	2,700	N/A	1,700	N/A	N/A	N/A	N/A	N/A	N/A
ESL - Direct Exposure Human Health Risk Levels Construction Worker: Any Land Use/Any Depth Soil Exposure, Non-Cancer Risk	50	0.98	3,000	27	51	N/A	28	14,000	160	1,800	86	1,700	1,800	3.5	470	110,000	44

N/A = Not Applicable

mg/Kg = Milligram per kilogram

TABLE 3
ANALYTICAL RESULTS
GROUNDWATER SAMPLES

Sample ID	1,1-Dichloroethene (ug/L)	1,1-Dichloroethane	cis-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	TPH-d (ug/L)	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Beryllium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Cobalt (ug/L)	Copper (ug/L)	Lead (ug/L)	Molybdenum (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Silver (ug/L)	Thallium (ug/L)	Vanadium (ug/L)	Zinc (ug/L)	Mercury (ug/L)
	EPA 5030B/8260B					EPA 8015B	EPA 6010B																
DSB-1	0.5	<0.5	0.8	9.6	1.1	<100	<40	<10	220	<1.0	<5.0	<10	<5.0	<10	<10	11	<10	<30	<5.0	<50	11	<50	<0.40
DSB-2	1.3	<0.5	1.4	25	1.4	<94	<40	<10	83	<1.0	<5.0	<10	<5.0	<10	<10	<10	<10	<30	<5.0	<50	10	<50	<0.40
DSB-3	0.6	<0.5	0.7	7.5	<0.5	<100	<40	<10	270	<1.0	<5.0	<10	15	<10	<10	<10	11	<30	<5.0	<50	5.7	<50	<0.40
DSB-4	<0.5	<0.5	<0.5	<0.5	<0.5	<100	<40	<10	330	<1.0	<5.0	<10	25	<10	<10	12	26	<30	<5.0	<50	9.2	<50	<0.40
DSB-5	<0.5	<0.5	0.5	6.3	<0.5	170	<40	<10	100	<1.0	<5.0	<10	<5.0	<10	<10	22	<10	<30	<5.0	<50	6.5	<50	<0.40
DSB-6	0.7	0.6	1.8	17	<0.5	<100	<40	<10	200	<1.0	<5.0	<10	16	<10	<10	13	27	<30	<5.0	<50	8.8	<50	<0.40
DSB-7	<0.5	<0.5	<0.5	<0.5	<0.5	<94	<40	<10	150	<1.0	<5.0	<10	11	26	<10	19	27	<30	<5.0	<50	21	140	<0.40
ESL - Groundwater Vapor Intrusion Human Health Risk Levels, Commercial/Industrial: Cancer Risk	N/A	33	N/A	7.5	2.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ESL - Groundwater Vapor Intrusion Human Health Risk Levels, Commercial/Industrial: Non-Cancer Risk	280	N/A	210	22	240	N/A	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.38

N/A = Not Applicable

ug/Kg = Microgram per kilogram

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



**Attachment A – Former Runnels Industries Property Historical
Documents (RWQCB Closure Letter, Covenant
and Environmental Restriction on Property,
and Soil Management Plan)**



California Regional Water Quality Control Board

San Francisco Bay Region



Linda S. Adams
Acting Secretary for
Environmental Protection

1515 Clay Street, Suite 1400, Oakland, California 94612
(510) 622-2300 • Fax (510) 622-2460
<http://www.waterboards.ca.gov/sanfranciscobay>

Edmund G. Brown, Jr.
Governor

Date: April 15, 2011
File No: 01S0564 (MYL)

Russell City Energy Company, LLC
Attn: Ms. Barbara McBride
4160 Dublin Blvd., Suite 100,
Dublin, CA 94568
(Barbara.McBride@calpine.com)

SUBJECT: No Further Action, Former Runnels Property, 3590 Enterprise Avenue, Hayward,
Alameda County

Dear Ms. McBride:

This letter confirms the completion of investigation and remedial action for the pollutant releases at the former Runnels Industries, Incorporated ("Runnels") property located at 3590 Enterprise Avenue in Hayward, California. The fact sheet notifying the public and relevant agencies about the Corrective Action Plan (CAP) for the subject site was distributed on February 16, 2010. The Water Board solicited public comments on the CAP from February 16, 2010 to March 15, 2010. No comments were received.

The 3.5-acre Runnels Property, as outlined in the attached Case Closure Summary, is located approximately 1 mile east of the San Francisco Bay. An unnamed drainage channel immediately abuts the site to the south. To the southwest is a marshy area associated with the fringe of San Francisco Bay. The site was formerly occupied by Runnels Industries, a metal finishing and coating company. Activities at the site included steam cleaning, sandblasting, and spray-on coating application which involved the use and storage of various materials including sandblasting grits, paints, solvents, lubricating oils, hydraulic fluids, and diesel fuel. Runnels Industries vacated the property in January 2002. The site remained unoccupied and unused until September 2009 when Russell City Energy Company (RCEC), the current owner, demolished and removed all structures on the property in preparation for the construction of the Russell City Energy Center at a nearby location in Hayward.

Soil and groundwater investigations were conducted at the site and its immediate vicinity in 1996 and 2003. The results of the investigations identified total petroleum hydrocarbons (TPHs reported as diesel and motor oil), metals, and polycyclic aromatic hydrocarbons (PAHs) in shallow soils at the site. Low levels of TPH, metals, and volatile organic compounds (VOCs) were detected in groundwater beneath the site. Investigation results, in conjunction with visual observation, confirmed that operations at Runnels Industries had impacted the KFAV property,

an 11-acre grass-covered open area with the address of 3636 Enterprise Avenue located immediately west of the site. No impact to surface water body had been detected.

Three underground storage tanks (USTs) and one oil-water separator were removed from the subject property in 1993 and 2009, respectively. Between May 13, 2010 and September 13, 2010, RCEC instituted soil excavation activities at the Runnels property and the adjacent KFAQ property. A total of approximately 2,878 cubic yards of soil was excavated from a total of eight areas to final depths between 1 and 3.5 feet below ground surface (bgs). Confirmation samples collected from the sidewalls and bottoms of the excavations showed that the removal activities successfully met the cleanup goals established in the *Corrective Action Plan* dated February 2010 and the revised cleanup goal for benzo(a)pyrene based on background conditions as described in the *Soil Removal Action Completion Report* dated September 29, 2010.

On November 1, 2010, RCEC entered into a land use covenant with the Water Board on the former Runnels property. The land use covenant was filed with Alameda County Records on November 29, 2011. The covenant restricts land use to industrial, commercial, or office space, and prohibits the drilling of water supply wells on the property. In addition, it requires the implementation of the Soil Management Plan (SMP), submitted by RCEC on March 29, 2011 and approved by the Water Board as part of this no further action determination. The SMP provides sampling and health/safety procedures appropriate when soil is disturbed for future site modifications or development. The covenant does not apply to the adjacent KFAQ property located at 3636 Enterprise Avenue, since RCEC is not the owner of that property.

Based upon the available information, and with the provisions that the information provided to this agency was accurate and representative of site conditions, no further action related to the pollutant releases at the subject site is required.

If you have any questions, please contact Marcia Liao of my staff at (510) 622-2377 or email mliao@waterboards.ca.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "Stephen Hill", with a small "for" written below it.

Bruce H. Wolfe
Executive Officer

Digitally signed by Stephen Hill
Date: 2011.04.15 12:04:18
-07'00'

Attachment: Case Closure Summary
cc w/ attachment: Mailing List

Mailing List

Salem Broadcasting Company
Attention: Brian Council
855 Aviation Drive
Camarillo, California 93010
(bcouncil@sunairjets.com)

New Inspiration Broadcasting Co, Inc.
Attention: Scott R. Hunter
4880 Santa Rosa Road
Camarillo, CA 93010
(scott.hunter@salem.cc)

Danilo Galang
Fire Department
City of Hayward
777 B Street
Hayward, CA 94541-5007
(danny.galang@hayward-ca.gov)

Hugh Murphy
Fire Department
City of Hayward
777 B Street
Hayward, CA 94541-5007
(hugh.murphy@hayward-ca.gov)

Lucas Goldstein, P.G., P.E.
Project Manager
ARCADIS
1900 Powell Street
Suite 1200
Emeryville, CA 94608
(lucas.goldstein@arcadis-us.com)

CASE CLOSURE SUMMARY

Runnels Industries Site

I. AGENCY INFORMATION

Date: April 14, 2011

Agency Name:	SF Bay Regional Water Quality Control Board (Regional Water Board)
Address:	1515 Clay Street, Suite 1400
City/State/Zip:	Oakland, CA 94612
Phone:	(510) 622-2377
Responsible Staff Person:	Marcia Y. Liao

II. SITE INFORMATION

Site Facility Name: Runnels Industries, Hayward, CA		
Site Facility Address: 3590 Enterprise Ave.		
RB Case No.: 01S0564	Local Case No.: SL600192638	Priority: --
Responsible Parties (include addresses and phone numbers)		
Russell City Energy Company, LLC		
4160 Dublin Blvd., Suite 100		
Dublin, CA 94568		
Attn: Barbara McBride, Director, Environmental, Health and Safety, barbara.mcbride@calpine.com, (925) 557.2224		

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: The approximately 3.5 acre site (3590 Enterprise Avenue) was formerly occupied by Runnels Industries, a metal finishing and coating company. Historical operations included steam cleaning, sandblasting, and spray-on coating application where sandblasting grits, paints, solvents, lubricating oils, hydraulic fluids, and diesel fuel were used and stored. Release is known to have also impacted the KFOX property (3636 Enterprise Avenue), an 11-acre grass-covered open area located immediately west of the site.		
Site characterization complete? Yes	Date Approved by Oversight Agency: April 14, 2011,	
Monitoring wells installed? Yes	Number: 5	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5 ft below ground surface (bgs)	Lowest Depth: 8 ft bgs	Flow Direction: west
Most Sensitive Current Use: None (drinking water in this area is available from the City of Hayward)		
Most Sensitive Potential Use and Probability of Use: None anticipated		
Are drinking water wells affected? No (no groundwater extraction wells were identified as being within or near the site)	Aquifer Name: NA	

Is surface water affected? No. Runoff and sediment transport into the drainage channel is not a concern because railroad tracks immediately abuts site which separates the site from the channel. This is supported by sampling data (two surficial soil samples collected south of the tracks between the track and the channel were not impacted).	Nearest surface water name: An unnamed drainage channel immediately abuts the site to the south. Salt marshes are located approximately 0.25 mile west and 0.1 mile south of the site. The shoreline of San Francisco Bay is located approximately 1 mile west of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Report(s) on file? yes	Where is report(s) filed? Regional Water Board and GeoTracker website http://www.geotracker.waterboards.ca.gov

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Soil	Approximately 1,300 tons (916 in-place cubic yards)	Off site disposal to a Vasco Road Landfill, a Class II Landfill in Livermore, California	June 2010
Soil	Approximately 2,900 tons (1,960 in- place cubic yards)	Off site disposal to East Carbon Development Company Landfill in East Carbon, Utah	June through September 2010

SUMMARY OF DOCUMENTED POLLUTANT CONCENTRATIONS- BEFORE AND AFTER CLEANUP						
POLLUTANT ⁴	Soil (mg/kg)				Water (ug/L) ³	
	Before ¹	After ¹			Before	After
	Maximum ² (Site-Wide)	Maximum ² (Site-Wide)	95% UCL (Former Runnels Property, 3590 Enterprise Avenue)	95% UCL (KFAX Property, 3636 Enterprise Avenue)		
TPH _{mo}	3,700	1,400	436	87	ND	NA
TPH _d	5,400	1,100	143	29	ND	NA
TPH _g ⁵	ND	NA	NA	NA	ND	NA
Arsenic ⁶	99	52	13.8	8.4	3.6	NA
Lead ⁶	2,700	1,000	299	421	ND	NA
Zinc	75,000	22,000	1,991	1,300	166	NA
Anthracene ⁶	4.5	0.66	0.07	0.29	ND	NA
Benzo(a)anthracene ⁶	2	0.73	0.15	0.67	ND	NA
Benzo(b)fluoranthene ⁶	2.9	0.60	0.23	0.23	ND	NA
Benzo(k)fluoranthene ⁶	2.2	0.61	0.17	0.37	ND	NA
Benzo(a)pyrene ⁶	2.4	0.61	0.17	0.38	ND	NA
Chrysene ⁶	2.9	0.82	0.19	0.74	ND	NA

Dibenzo(a,h)anthracene ⁶	0.56	0.20	0.07	0.09	ND	NA
Indeno(1,2,3-cd)pyrene ⁶	1.7	0.56	0.12	0.19	ND	NA
2-methylnaphthalene ⁵	ND	ND	ND	ND	7.1	NA
1,1-dichloroethene ⁵	ND	ND	ND	ND	11	NA
Total Benzo(a)pyrene Equivalents	3.48	0.89	0.31	0.57	NA	NA

Notes:

1= Data reported in the Soil Removal Action Completion Report.

2 = Maximum for both properties (Former Runnels Property located at 3590 Enterprise Avenue and KFAX Property, 3636 Enterprise Avenue). Excludes results of sample KF-A-S-J5-0.0'-1.0' because a duplicate sample did not contain elevated PAHs.

3 = Groundwater data collected from groundwater monitoring wells in 2003.

4 = Constituent identified as a soil and/or groundwater contaminant of concern (COC) in Corrective Action Plan (CAP) prepared by CH2M Hill dated February 2010.

5 = Constituent identified as a groundwater COC only in CAP prepared by CH2M Hill.

6 = Constituent identified as a soil COC only in CAP prepared by CH2M Hill.

95% UCL = 95 percent upper confidence limit defined as representative concentration. Representative concentration is based on confirmation data set (including additional 2010 soil samples and remaining post-excavation confirmation samples) and is calculated using software ProUCL 4.00.05 software.

mg/Kg = milligrams per kilogram; ug/L = micrograms per liter

ND = not detected above laboratory reporting limit

NA = not available/not applicable

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Yes		
Site Management Requirements: No excavation unless in compliance with the Covenant and Environmental Deed Restriction, filed with Alameda County Records on November 29, 2011, and the Soil Management Plan (SMP), dated March 29, 2011. Shallow groundwater beneath the site should not be used for drinking or other uses.		
Monitoring Wells: 5	Number Decommissioned: 2 (see explanation below)	Number Retained: none
Five monitoring wells reportedly existed at the site. Two of the wells were identified at the Site during pre-mobilization activities in 2010. Attempts to locate the suspected three remaining groundwater monitoring wells were made using geophysical techniques (including ground-penetrating radar); however, the shallow wells were not located and are presumed to be abandoned or destroyed. The two wells identified during pre-mobilization activities were abandoned prior to the start of excavation activities in 2010.		
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

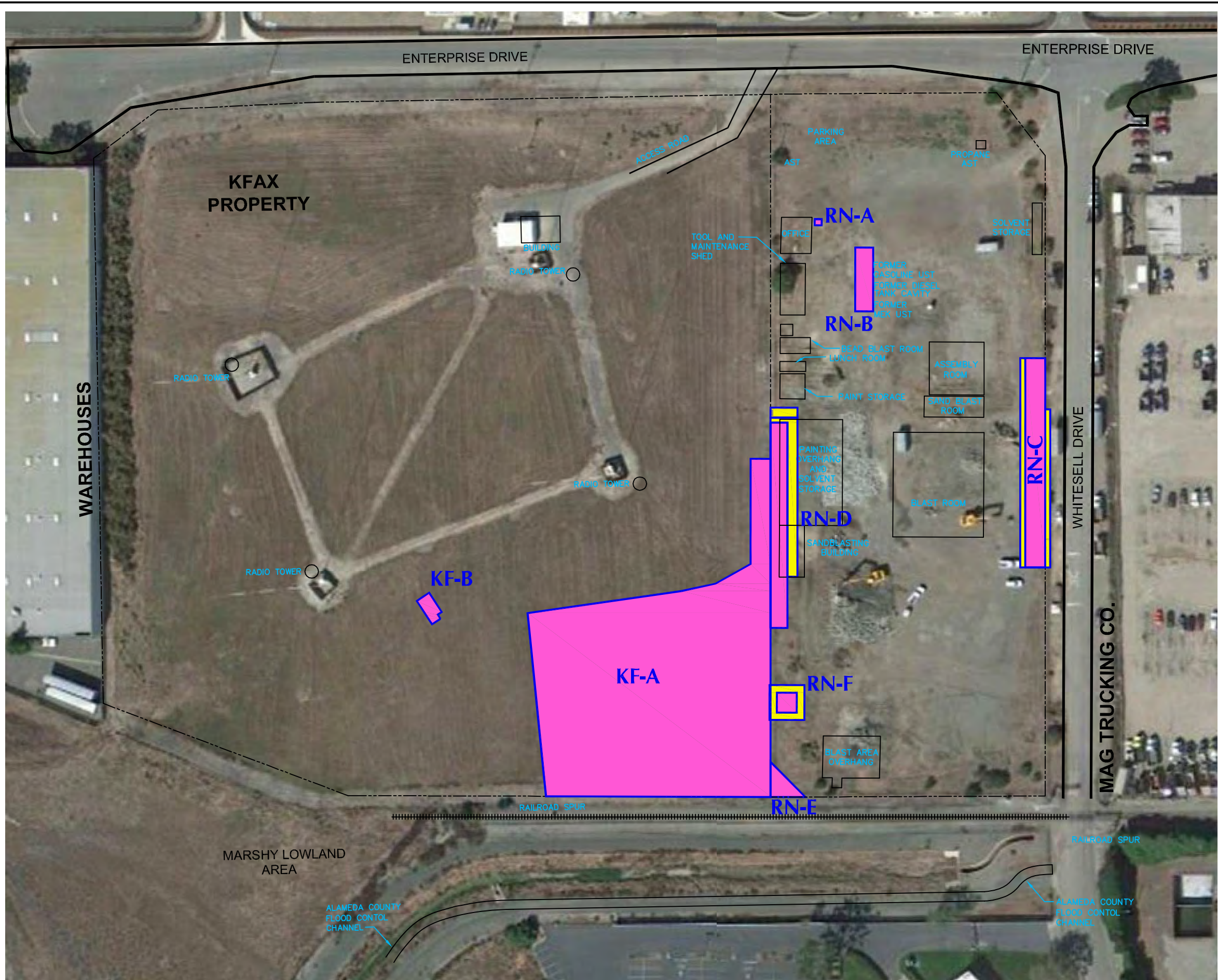
V. TECHNICAL REPORTS, CORRESPONDENCE, ETC. THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON

Phase I Environmental Site Assessment. Prepared for: Runnels Industries, 3590 Enterprise Avenue, Hayward, California, prepared by Blymer Engineers, Inc.	April 26, 1996
Phase II Environmental Site Assessment, Runnels Industries, 3590 Enterprise Avenue, Hayward, California, prepared by Blymer Engineers, Inc.	July 11, 1996
Phase I Environmental Site Assessment of 3590 and 3636 Enterprise Avenue, Hayward, California, prepared by Foster Wheeler Environmental Corporation.	April 2001
Additional Site Characterization Investigation Report, 3590 and 3636 Enterprise Avenue, Hayward, California, prepared by Tetra Tech FW, Incorporated.	December 2003
Oil-Water Separator Confirmation Soil Sampling Plan, 3590 Enterprise Avenue, Hayward, California, prepared by LFR, Inc.	October 7, 2009
Summary Letter Report for Confirmation Soil Sampling from Beneath the Oil-Water Separator at 3590 Enterprise Avenue in Hayward, California ("the Former Runnels Property"), prepared by LFR, Inc.	December 9, 2009
Corrective Action Plan, Russell City Energy Center, Hayward, California, prepared by CH2M Hill.	February 2010
Letter re: Approval of <i>Corrective Action Plan</i> and Request for Technical Report, Runnels Property, 3590 Enterprise Avenue, Hayward, Alameda County, issued by RWQCB.	March 22, 2010
Fact Sheet: Proposed Corrective Action Plan, 3590 and 3636 Enterprise Avenue, Hayward, Alameda County	February 16, 2010
Soil Removal Action Completion Report, Runnels Site, 3590 and 3636 Enterprise Avenue, Hayward, California, prepared by ARCADIS US, Inc.	September 29, 2010
Covenant and Environmental Restriction on Property, Former Runnel Property, 3590 Enterprise Avenue, Hayward	November 29, 2011
Soil Management Plan, prepared by ARCADIS US, Inc.	March 29, 2011

VI. ADDITIONAL COMMENTS, DATA, ETC.

The site plan is attached.

CITY: (Read) DIV: (GROUP: (Read) DB: (Read) LD: (Opt) PIC: (Opt) PN: (Read) TM: (Opt) L: YR: (Option: OFF-REF*
G:\ENVCAD\emeryville\PROJECT\EM0009301\0006\RUSSELL CITY EXCAVATIONS.dwg LAYOUT: EXC PLAN SAVED: 9/23/2010 1:52 PM ACADVER: 18.05 (LMS TECH) PAGES: 18 PLOT: 9/29/2010 3:09 PM BY: REYES, ALEC

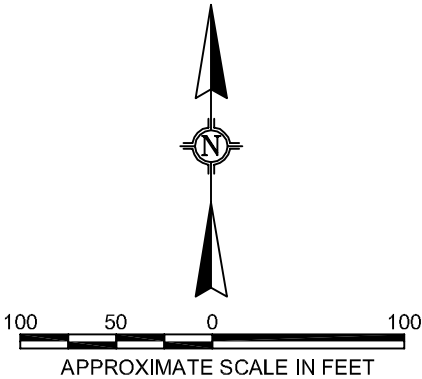


LEGEND:

- EXCAVATED AREAS
- OVER-EXCAVATED AREAS

NOTES:

BUILDING DESCRIPTIONS ARE BASED ON PREVIOUS REPORTS (SEE TEXT). LOCATIONS ARE APPROXIMATE, BASED ON GLOBAL POSITIONING SYSTEM; ACCURACY APPROXIMATELY TO WITHIN 15 FEET.



RUSSELL CITY ENERGY CENTER
HAYWARD, CALIFORNIA

COMPLETED EXCAVATION PLAN



Recording Requested By:

City of Hayward

777 "B" Street

Hayward, California 97146

Attn: Robert A. Bauman, PhD., P.E.,

Director of Public Works

ORIGINAL



2010349501

11/29/2010 01:57 PM

OFFICIAL RECORDS OF ALAMEDA COUNTY
PATRICK O'CONNELL
RECORDING FEE: 57.00

When Recorded, Mail To:

Bruce H. Wolfe, Executive Officer

California Regional Water Quality Control Board

San Francisco Bay Region

1515 Clay Street, Suite 1400

Oakland, California 94612



10 PGS

**COVENANT AND ENVIRONMENTAL RESTRICTION
ON PROPERTY**

3590 Enterprise Avenue

Hayward, California

This Covenant and Environmental Restriction on Property (this "Covenant") is made as of the 1st day of November 2010 by the City of Hayward ("Covenantor"), a municipal corporation of the State of California, who is the Owner of record of that certain property situated at 3590 Enterprise Avenue, in the City of Hayward, County of Alameda, State of California, which is more particularly described in Exhibit A attached hereto and incorporated herein by this reference (such portion hereinafter referred to as the "Burdened Property"), for the benefit of the California Regional Water Quality Control Board for the San Francisco Bay Region (the "Board"), with reference to the following facts:

A. The Burdened Property and groundwater underlying the property contains hazardous materials.

B. Contamination of the Burdened Property. Soil and groundwater at the Burdened Property was contaminated by previous metals finishing and coating operations, including but not limited to steam cleaning, sandblasting, and spray-on coating application conducted by various previous owners and by releases from three underground storage tanks (USTs) that reportedly contained diesel, methyl ethyl ketone (MEK), and gasoline. These operations resulted in contamination of soil and groundwater with metals, polycyclic aromatic hydrocarbons, and petroleum hydrocarbons, which constitute hazardous materials as that term is defined in Health & Safety Code Section 25260.

Remediation activities conducted at the Burdened Property included removal of the three USTs, the demolition and the removal of buildings and other industrial infrastructure. Additional remedial actions including excavation and off-site disposal of soil with concentrations of contaminants above cleanup goals were performed as described in the Corrective Action Plan for the

former Runnels Property and the KFAX Property prepared by CH2M HILL, dated February 2010 ("CAP") that was approved by the Board on March 22, 2010.

C. Exposure Pathways. The contaminants addressed in this Covenant are present in soil and groundwater on the Burdened Property. Without the mitigation measures which have been performed on the Burdened Property, exposure to these contaminants could take place via in-place contact, surface water runoff, and wind dispersal, resulting in dermal contact, inhalation, of ingestion by humans and/or pose a heightened threat to ecological receptors. The risk of public and/or ecological receptor exposure to the contaminants has been substantially lessened by the remediation and controls described herein.

D. Adjacent Land Uses and Population Potentially Affected. The Burdened Property is currently vacant and will be redeveloped for industrial/commercial land uses and is adjacent to industrial land uses.

E. Full and voluntary disclosure to the Board of the presence of hazardous materials on the Burdened Property has been made and extensive sampling of the Burdened Property has been conducted and documented.

F. Covenantor desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that may result from hazardous materials that may have been deposited on portions of the Burdened Property.

ARTICLE I GENERAL PROVISIONS

1.1 Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions and restrictions (collectively referred to as "Restrictions") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence on the land of hazardous materials. Each and all of the Restrictions shall run with the land, and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof, for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions are imposed upon the entire Burdened Property unless expressly stated as applicable to a specific portion of the Burdened Property. Each and all of the Restrictions run with the land pursuant to section 1471 of the Civil Code. Each and all of the Restrictions are enforceable by the Board.

1.2 Concurrence of Owners and Lessees Presumed. All purchasers, lessees, or possessors of any portion of the Burdened Property shall be deemed by their purchase, leasing, or possession of such Burdened Property, to be in accord with the foregoing and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions as herein established must be adhered to for the benefit of the Board and the Owners and Occupants of the Burdened Property and that the interest of the Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3 Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions set out herein shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant and Agreement has been attached to or incorporated into any given deed or lease.

1.4 Purpose. It is the purpose of this instrument to convey to the Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

ARTICLE II DEFINITIONS

2.1 Board. "Board" shall mean the California Regional Water Quality Control Board for the San Francisco Bay Region and shall include its successor agencies, if any.

2.2 Improvements. "Improvements" shall mean all buildings, roads, driveways, regradings, and paved parking areas, constructed or placed upon any portion of the Burdened Property.

2.3 Occupants. "Occupants" shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the exclusive right to use and/or occupy all or any portion of the Burdened Property.

2.4 Owner or Owners. "Owner" or "Owners" shall mean the Covenantor and/or its successors in interest, who hold title to all or any portion of the Burdened Property.

2.5 Prior Owner. "Prior Owner" shall mean the Russell City Energy Company, LLC who was the immediate past owner of the Burdened Property prior to transfer of the Burdened Property to Covenantor.

ARTICLE III DEVELOPMENT, USE AND CONVEYANCE OF THE BURDENED PROPERTY

3.1 Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

- a. Development of the Burdened Property shall be restricted to industrial, commercial or office space;
- b. No residence for human habitation shall be permitted on the Burdened Property;
- c. No hospitals shall be permitted on the Burdened Property;

d. No schools for persons under 21 years of age shall be permitted on the Burdened Property;

e. No day care centers for children or day care centers for Senior Citizens shall be permitted on the Burdened Property;

f. No Owners or Occupants of the Property or any portion thereof shall conduct any excavation work on the Property, unless in compliance with the CAP and a Soil Management Plan prepared prior to such excavation work. Any contaminated soils brought to the surface by grading, excavation, trenching, or backfilling shall be managed by Prior Owner or his agent in accordance with all applicable provisions of local, state and federal law, the CAP and Soil Management Plan as applicable;

g. All uses and development of the Burdened Property shall be consistent with the CAP and any applicable Soil Management Plan including amendments thereto, each of which is hereby incorporated by reference;

h. No Owners or Occupants of the Property or any portion thereof shall drill, bore, otherwise construct, or use a well for the purpose of extracting water for any use, including but not limited to, domestic, potable, or industrial uses, unless expressly permitted in writing by the Board.

i. The Covenantor agrees that the Board, and/or any persons acting pursuant to Board orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring, as provided for in Division 7 of the Water Code.

j. No Owner or Occupant of the Burdened Property shall act in any manner that will aggravate or contribute to the existing environmental conditions of the Burdened Property.

3.2 Enforcement. Failure of an Owner or Occupant to comply with any of the restrictions, as set forth in paragraph 3.1, shall be grounds for the Board, by reason of this Covenant, to have the authority to require that the Owner modify or remove any Improvements constructed in violation of that paragraph. Violation of the Covenant shall be grounds for the Board to file civil actions against the Owner as provided by law.

3.3 Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument which shall accompany all purchase agreements or leases relating to the property. Any such instrument shall contain the following statement:

The land described herein contains hazardous materials in soils and in the ground water under the property, and is subject to a deed restriction dated as of Nov 29, 2010, and recorded on Nov. 29, 2010, in the Official Records of Alameda County, California, as Document No. 2010349501 which Covenant and Restriction imposes certain covenants, conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

ARTICLE IV
VARIANCE AND TERMINATION

4.1 Variance. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or any portion thereof may apply to the Board for a written variance from the provisions of this Covenant.

4.2 Termination. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or a portion thereof may apply to the Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3 Term. Unless terminated in accordance with paragraph 4.2 above, by law or otherwise, this Covenant shall continue in effect in perpetuity.

ARTICLE V
MISCELLANEOUS

5.1 No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2 Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective (1) when delivered, if personally delivered to the person being served or official of a government agency being served, or (2) three (3) business days after deposit in the mail if mailed by United States mail, postage paid certified, return receipt requested:

If To: "Covenantor"
City of Hayward
777 "B" Street
Hayward, California 97146
Attn: Robert A. Bauman, PhD., P.E.,
Director of Public Works

If To: "Board"
Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, California 94612

If To: "Prior Owner"
Russell City Energy Company, LLC
c/o Calpine Corporation
4160 Dublin Boulevard, Suite 100
Dublin, California 94588
Attn: Area Executive

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4 Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not a part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Alameda within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to effect the purpose of this instrument and the policy and purpose of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

COVENANTOR: CITY OF HAYWARD

CITY:

RECOMMENDED

The City of Hayward, a municipal corporation of the State of California

By: *R. A. Bauman*
R. A. Bauman
Director of Public Works

By: *Frances David*
Frances David
City Manager

Dated: October 27, 2010

November 1, 2010
Dated: ~~October~~ November 1, 2010

APPROVED AS TO FORM

By: *Michael Lawson*
Michael Lawson
City Attorney

Attest: *Miriam Lens*
Miriam Lens
City Clerk

November 1, 2010
Dated: ~~October~~ November 1, 2010

Dated: October 28, 2010

State of California

County of Alameda

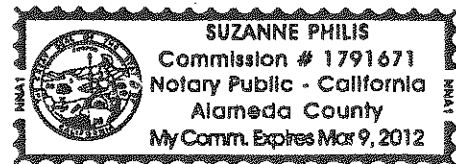
On Nov. 2, 2010 before me, Suzanne Philis, Notary Public, personally appeared Frances David, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Suzanne Philis
Signature of Notary Public

(Notary Seal)



Comm # 1791671
Exp 3/9/12

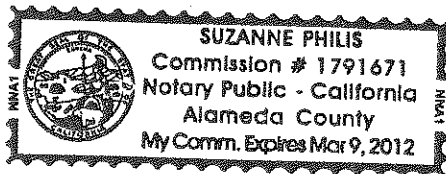
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT


State of California)
) ss.
County of Alameda)

On November 5, 2010, before me, Suzanne Philis, Notary Public, personally appeared R. A. Bauman, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Suzanne Philis, Notary Public

Suzanne Philis
Commission # 1791671
Notary Public – California
Alameda County
My Comm. Expires March 9, 2012

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SAN FRANCISCO
BAY REGION

Print Name: Bruce H. Wolfe
Signature: Bruce H. Wolfe
Title: Executive Officer
Date: Nov. 24, 2010

State of California

County of Alameda

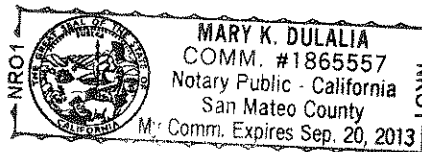
On November 24, 2010 before me, Mary K Dulalia, Notary Public, personally appeared Bruce H. Wolfe, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Mary K Dulalia
Signature of Notary Public

(Notary Seal)



PRIOR OWNER: RUSSELL CITY ENERGY COMPANY, LLC,
a Delaware limited liability company

Print Name: Alexandre B. Makler
Signature: [Signature]
Title: Authorized Signatory and Vice President
Date: November 8, 2010

State of California

County of Alameda

On November 8, 2010 before me, Marjorie E. Oxsen, Notary Public, personally appeared Alexandre B. Makler who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Marjorie E. Oxsen
Signature of Notary Public

(Notary Seal)

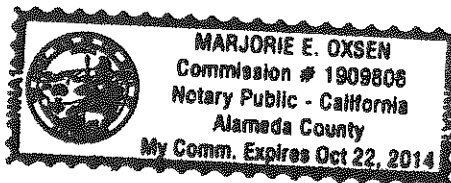


EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

THE LAND DESCRIBED HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF ALAMEDA, CITY OF HAYWARD, AND IS DESCRIBED AS FOLLOWS:

PARCEL ONE:

LOT 3, AS SHOWN ON PARCEL MAP NO. 397, FILED APRIL 22, 1969, SERIES NO. 69-44450 IN BOOK 61 OF PARCEL MAPS, PAGE 1.

EXCEPTING THEREFROM THAT PORTION THEREOF DESCRIBED IN THE DEED TO THE CITY OF HAYWARD, RECORDED APRIL 28, 1972, SERIES NO. 55813, REEL 3118, OR IMAGE 689.

PARCEL TWO:

A NON-EXCLUSIVE EASEMENT FOR ALL PUBLIC UTILITY PURPOSES OVER THE NORTHERN 10 FEET OF PROPERTY ADJOINING ON THE WEST, AND A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER THE NORTHERN 60 FEET OF SAID PROPERTY ADJOINING ON THE WEST, AS RESERVED IN THE DEED FROM DONALD E. FOSS, ET ALL, RECORDED OCTOBER 21, 1968, REEL 2276, OFFICIAL RECORDS, IMAGE 655.

A.P.N. 439-0099-003-07

Soil Management Plan

Former Runnels Industries Site
3590 Enterprise Avenue
Hayward, California

29 March 2011



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

Lucas Goldstein PE (C72455), PG (7035)
Principal Engineer

Soil Management Plan

Former Runnels Industries Site
3590 Enterprise Avenue
Hayward, California

Prepared for:
Russell City Energy Company, LLC

Prepared by:
ARCADIS U.S., Inc.
1900 Powell Street
11th Floor
Emeryville
California 94608
Tel 510.652.4500
Fax 510.652.4906

Our Ref.:
EM009301.0010.00001

Date:
29 March 2011

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

1.0 Introduction	1
2.0 SMP Objectives	2
3.0 Background	3
3.1 Regulatory Background	3
3.2 Previous Environmental Investigations and Remedial Actions	3
4.0 Cleanup Goals Established for Soil	5
6.0 Soil Management Protocols	6
6.1 Overview of Soil Disturbance Activities	7
6.2 Notifications	7
6.3 Soil Management Strategy	8
6.4 Requirements for Imported Fill	8
6.5 Detection of Unanticipated Affected Soil	9
6.6 Stockpile Management	12
6.7 Waste Characterization and Handling Procedures	13
6.8 Construction Worker Management Measures	15
7.0 References	16
Tables	
1 Summay of Soil Results for Constituents of Concern	
Figures	
1 Site Vicinity Map	
2 Completed Excavation Plan	
3 Historical and 2010 Soil Sampling Locations	
4 Soil Characterization Flow Chart	

Appendices

- A Covenant and Environmental Restriction of Property

1.0 Introduction

ARCADIS U.S., Inc (ARCADIS) has prepared this Soil Management Plan (SMP) on behalf of Russell City Energy Company, LLC (RCEC), a joint venture of an indirect wholly-owned subsidiary of Calpine Corporation and another unrelated entity, for the purpose of owning and operating the Russell City Energy Center (the Facility), at the former Runnels Industries, Incorporated ("Runnels") property located at 3590 Enterprise Avenue in Hayward, California (the "Site", Figure 1).

The Site was historically owned and used by Runnels for steam cleaning, sandblasting, and spray-on coating application as part of their metals finishing and coating operations. The Site is located south of the City's Water Pollution Control Facility, adjacent to and south of Enterprise Avenue in the East Hayward industrial area. The demolition project was implemented in late 2009 and included the removal of existing structures, including several facilities formerly utilized for metal finishing activities by the previous owner of the property, Runnels. In the short term, the Site will be used as construction laydown area in support of the construction of the Facility in Hayward, California. Redevelopment activities implemented to date at the Site include demolishing existing structures, removing and properly disposing of potentially affected soil, and performing other site development activities.

Three underground storage tanks (USTs) were removed from the Runnels property in 1993. In addition, soil and groundwater investigations were conducted at the Site in 1996 and 2003. The results of the investigations identified total petroleum hydrocarbons (TPH; reported as diesel [TPHd] and motor oil [TPHmo]), metals (arsenic, lead, and zinc), and polycyclic aromatic hydrocarbons (PAHs; anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene) in shallow soils at the site. Low levels of TPH, metals, and volatile organic compounds (VOCs) were detected in groundwater beneath the Site. Runnels vacated the property in 2002 and the property has remained unoccupied. Between May 13, 2010 and September 13, 2010, soil excavation activities were completed at the Site and the adjacent KFOX property. Confirmation samples collected from the sidewalls and bottoms of the excavations showed that the removal activities successfully met the cleanup goals established in CH2M HILL's Corrective Action Plan ("the CAP") dated February 2010 and the revised cleanup goal for benzo(a)pyrene based on background conditions as described in the Soil Removal Action Completion Report dated September 29, 2010 (ARCADIS 2010).

In accordance with the CAP, institutional controls for the Site are a component of the implemented remedial alternative because some residual impacted material may be left in place following excavation. In addition, soil and other materials to be removed from the Site during future Site redevelopment activities should be sampled to ensure proper disposal. On November 1, 2010 the City of Hayward issued the final Covenant and Environment Restriction of Property ("the Covenant") for the Site (see discussion in Section 3.1). The Covenant includes a provision to prepare a SMP in the future to ensure that the soil with chemicals of concern (COCs) above their respective cleanup goals remains in place, that soil excavated in the future is tested and handled appropriately, and that the health and safety of future site occupants is protected. In addition, this report is intended to comply with the request of the California State Water Resources Control Board (RWQCB) in an email from Ms. Marcia Liao dated February 3, 2011.

2.0 SMP Objectives

This SMP outlines sampling and health and safety procedures to be implemented during future site modification that could disturb site soil or existing surface materials, such as the repair of a subsurface utility. The SMP provides detailed procedures to be used during future grading and construction activities in the event that unanticipated affected soil and/or asphalt are encountered at the Site. In particular, this SMP addresses the following:

- procedures to be implemented during site development and/or any modifications to the land that could disturb site soil;
- specific requirements and protocols needed to ensure that construction and any other subsurface disturbance activities are conducted in a manner that is protective of human health and the environment, and do not interfere with the day-to-day construction activities at the Site; and
- detailed procedures and protocols to be used during grading and construction activities in the event that previously unknown affected soil or other materials are suspected or encountered at the Site

Issues not addressed in this document include construction and general California Occupational Safety and Health Administration (Cal-OSHA) worker safety requirements, including the Hazardous Waste Operations and Emergency Response Standard. Contractors who perform the site work are responsible for the health and

safety of their own employees and must prepare a health and safety plan that is satisfactory to the RCEC, prior to beginning work at the Site. All work at the Site must be completed in compliance with the federal, state, and local requirements not addressed in this document.

3.0 Background

3.1 Regulatory Background

The Covenant sets forth protective provisions, covenants, conditions, and restrictions upon and subject to the Site. These restrictions apply to all owners and occupants on the Site. The restrictions include, but are not limited to: the use of the Site is limited to industrial, commercial, or office space only; any excavation work must comply with the CAP and this SMP, the RWQCB shall have reasonable access to the Site to inspect or monitor the CAP; and no groundwater at the Site will be extracted for any reason without permission from the RWQCB. A copy of the Covenant is included in Appendix A.

3.2 Previous Environmental Investigations and Remedial Actions

Several investigations and site assessments have been implemented at the Site. A brief summary of these investigations is provided below.

Three USTs were removed in 1993 by DECON Environmental Services, Incorporated. Samples collected at the time of the tank removal indicated concentrations of TPHd, chromium, and nickel were present in the soil.

Phase I Environmental Site Assessments (ESAs) were conducted for 3590 and 3636 Enterprise Avenue by Blymer Engineering (Blymer) and Foster Wheeler Environmental Corporation (Foster Wheeler) in 1996 and 2001, respectively. Results from these investigations are presented in Blymer's "Phase I ESA prepared for: Runnels Industries, 3590 Enterprise Avenue, Hayward, California" (Blymer 1996a) and Foster Wheeler's "Phase I ESA of 3590 and 3636 Enterprise Avenue, Hayward, California (Foster Wheeler 2001)." The Phase I ESAs identified environmental concerns, which were further evaluated in subsequent Phase II work.

The Phase II ESA was performed at the Runnels property by Blymer in 1996. The results of this investigation are presented in Blymer's "Phase II Environmental Site Assessment, Runnels Industries, 3590 Enterprise Avenue, Hayward, California"

(Blymer 1996b). Table 1 includes analytical results for contaminants of concern (COCs) detected in soil samples collected during the Phase II investigation and during confirmation sampling performed after remediation activities. The Phase II investigation results are discussed below. Figure 3 presents the Phase II soil sampling locations for the Site.

The analytical results for soil samples collected during the Phase II investigation were compared to the Environmental Screening Levels (ESLs) established by RWQCB and the Preliminary Remediation Goals (PRGs) for industrial/commercial sites established by the United States Environmental Protection Agency (USEPA) for metals, both the revised ESLs and the background levels. The soil exceedances indicate that the following compounds are the COCs for the Site:

- Hydrocarbons: TPHd and TPHmo
- Metals: arsenic, lead, and zinc
- PAHs

The COCs were generally confined to the surface soils (approximately 1 foot or less below ground surface [bgs]), indicating that the likely source of the COCs is localized surface releases. However, PAHs were detected in samples collected at 2.5 to 3 feet bgs near the former UST area in the northwestern portion of the Runnels property (Blymer 1996b).

An additional Site characterization investigation was performed by Tetra Tech FW, Incorporated (TTFW) in 2003. Soil sampling results indicated exceedances of PAH and exceedances of metals limits in both the Runnels property and the southeastern portion of the KFOX property. Findings from this investigation are presented in TTFW's "Additional Site Characterization Investigation Report, 3590 and 3636 Enterprise Avenue, Hayward, California" (TTFW 2003).

During the demolition of aboveground structures and site features at the Runnels property on or around September 28, 2009, an oil-water separator (OWS) was discovered to be present below grade. The OWS contained an oily liquid. A sample of the oily liquid collected by the demolition contractor indicated that the material was predominantly comprised of oil and contained elevated concentrations of TPHd, TPHmo, chromium, lead, zinc, and VOCs; LFR Inc. As a result, LFR (now ARCADIS) prepared a Confirmation Soil Sampling Plan that was submitted to the RWQCB on

October 7, 2009 (LFR 2009a). The Confirmation Soil Sampling Plan described the procedures that would be followed during and after the removal of the OWS.

The CAP prepared by CH2M HILL addresses remedial alternatives for the Runnels and KFAX properties. Although the KFAX property is not owned by RCEC, the property was included in the CAP due to the potential impact from contaminated materials that migrated from the adjacent Runnels property (CH2M HILL 2010).

Between May 13, 2010 and September 13, 2010, soil excavation activities were completed at the Site. A total of approximately 2,878 cubic yards (cy) of soil was excavated from a total of eight areas to final depths between 1 and 3.5 feet bgs. The excavation area is presented on Figure 2. The final extent of each excavation was determined by a combination of site representative concentration (95% UCL of the confirmatory data set) and a “ceiling” or not-to-exceed concentration defined as 10 times the industrial cleanup goal. Additional confirmation samples were also collected from areas that were formerly underneath buildings or other structures that have not been sampled and from areas where potential contamination is visually identified. Confirmation samples collected from the sidewalls and bottoms of the excavations showed that the removal activities successfully met the cleanup goals established in the CAP and the revised cleanup goal for benzo(a)pyrene based on background conditions as described in the *Soil Removal Action Completion Report* dated September 29, 2010 (ARCADIS 2010).

4.0 Cleanup Goals Established for Soil

The cleanup goals established for the Site in the CAP are derived from the least of the human health direct exposure value, gross contamination ceiling value, or groundwater protection (soil leaching) value in Table B-2 of the RWQCB’s 2008 “Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater” with the following modifications for arsenic and PAHs. The cleanup goals for PAHs were modified after the start of excavation activities because the in-place, post-removal PAH data appeared to represent ambient conditions. An evaluation of ambient concentrations of benzo(a)pyrene and other PAHs at the Site is included in the *Soil Removal Action Completion Report* (dated September 29, 2010). The initial ESL-derived cleanup goals for arsenic and benzo(a)pyrene were less than background; therefore, the 95 percent upper confidence limit (95% UCL) of background (15.5 milligrams per kilogram [mg/kg] for arsenic and the 95th percentile value of urban ambient levels [0.9 mg/kg] for benzo(a)pyrene expressed as total benzo(a)pyrene

toxicity equivalents [TEQs]) was used as the cleanup goal. The cleanup goals for the Site were as follows:

TPH

- TPHmo: 2,500 mg/kg
- TPHd: 180 mg/kg

Metals

- arsenic: 15.5 mg/kg (site-specific background level)
- lead: 750 mg/kg
- zinc: 2,500 mg/kg

PAHs

- anthracene: 2.8 mg/kg
- benzo(a)anthracene: 1.3 mg/kg
- benzo(b)fluoranthene: 1.3 mg/kg
- benzo(k)fluoranthene: 1.3 mg/kg
- benzo(a)pyrene: 0.13 mg/kg (modified goal, not to exceed ceiling value of 1.3 mg/kg only)
- chrysene: 23 mg/kg
- dibenzo(a,h)anthracene: 0.21 mg/kg
- indeno(1,2,3-cd)pyrene: 2.1 mg/kg
- total benzo(a)pyrene TEQs: 0.9 mg/kg (as 95th percentile value, Northern California urban ambient levels)

6.0 Soil Management Protocols

The following sections present the management protocols for handling, moving, stockpiling, and reusing asphalt, concrete, and native soil during and following the development at the Site. Contingency protocols to be followed when unknown contamination or underground structures are identified are also presented.

6.1 Overview of Soil Disturbance Activities

Activities that may cause soil disturbance at the site include: site grading; grubbing; removing/installing underground utilities and utility pipeline repair activities; planting trees; excavating elevator shaft pits; installing foundations, underground shelters, garages, or basements; and performing other construction activities. Intensive grading that involves the removal of in-place soil is not anticipated at the Site. The elevation of the Site ranges from approximately 9 feet above mean sea level (msl) to approximately 11 feet above msl. Groundwater was previously encountered between approximate depths of 5 to 15 feet bgs. Therefore, it is unlikely that groundwater will be encountered during potential future construction activities. Any groundwater encountered will be sampled prior to off-site disposal and handled in accordance with the protocols presented in the Storm-Water Prevention Pollution Plan (SWPPP) and/or grading plans, if applicable

6.2 Notifications

The persons indicated in Table 2 shall be notified within 48 hours if subsurface disturbance is anticipated or if unexpected affected soil is encountered. Additionally, if soil is to be hauled from the Site to an appropriate landfill, the following contacts must be notified.

Table 2: Emergency Contacts

Contact	Telephone
Owner – City of Hayward Contact: Bob Bauman	(510) 583-4710
Lessee/Occupant – RCEC (through December 31, 2012) Contact: Barbara McBride, Environmental Project Manager	(925) 570-0849
City of Hayward Fire Department Contact: Hugh Murphy	(510) 583-4924
Environmental Consultant – ARCADIS Contact: *** to be designated before construction***	*** to be designated before construction***

Contact	Telephone
Site Construction Manager Contact: *** to be designated before work begins***	*** to be designated before work begins***

If an emergency situation requiring medical attention, containment assistance, or other emergency assistance arises, workers should call 911 and follow emergency procedures provided in the Contractor's Health and Safety Plan (HSP).

6.3 Soil Management Strategy

Soil will be reused at the Site to the extent possible. As shown on Figure 4, suspected affected soil (e.g., soil exhibiting discoloration, oily liquids, powders, or other substances, odors, or detections on field equipment) will be stockpiled and tested. This soil will only be reused if it meets the remedial goals discussed in Section 4.

6.4 Requirements for Imported Fill

Soil that is imported to the Site for use as fill or for landscaping must be sampled prior to being brought on Site. A four-point composite sample should be collected for every 500 cys of fill material imported to the Site or other frequency approved by the RWQCB and submitted for the following analyses:

- VOCs by USEPA Method 8260B
- Metals by USEPA Method 6010B
- Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270
- Poly-chlorinated Biphenyls (PCBs) by USEPA Method 8082
- Organochlorine Pesticides (OCPs) by USEPA Method 8081
- TPH by USEPA Method 8015M

The analytical results for each of the constituents should be less than the final ESLs for shallow soil (less than 3 meters bgs) for commercial and industrial properties where the groundwater is not a potential source of drinking water (Table B-2 of RWQCB 2008), with the exception of arsenic. Arsenic concentrations should be less than the background concentration of 15.5 mg/kg.

6.5 Detection of Unanticipated Affected Soil

This section describes the protocols to be followed in the event that unknown areas of affected soil are identified during site development. These protocols will be followed by all involved parties, including RCEC and other entities, such as a contractor or qualified consultant, designated or certified by RCEC.

Unknown conditions (e.g., suspected affected soil) that may trigger contingency monitoring procedures during site development include, but are not limited to, those listed below. Discovery of any of these conditions could require either alternative or additional measures to protect human health and the environment:

- Oily, shiny, or saturated soil or free product.
- Soil with a strong chemical odor.
- Discovery of objects of environmental concern such as USTs and associated piping or buried drums.
- Discovery of debris (e.g., buried refuse, asbestos-containing pipes, and transite pipes).
- Discovery of hazardous storage areas.
- Discovery of cracked or repaired concrete in areas where hazardous materials were used or stored.
- Other conditions that vary materially from those documented during previous investigations.

If suspected affected soil is detected during subsurface disturbance work, the following procedures shall be followed:

- All field activities that may potentially disturb the suspected affected soil must be immediately stopped and the Site vacated.
- If an emergency situation arises such that emergency services are needed, call 911 and follow the emergency procedures given in the HSP.
- Notify the emergency contacts listed in Table 2.
- Any equipment and clothing that comes in contact with the suspected or known affected soil must be decontaminated as specified in the Contractor's HSP.
- If stockpiling is necessary, stockpiles will be placed on plastic sheeting and covered at the end of each work day.

During the excavation and construction activities conducted at the Site, it is possible that USTs, sumps, or other underground structures that were not identified during previous site investigations will be discovered. For example, USTs may be identified during grading and site excavation activities by being unearthed during grading activities. Other subsurface structures might not have features that extend above the excavated surface and could be unearthed when construction equipment comes into contact with them. The remainder of this section outlines the measures that govern identification and removal of USTs, and appropriate measures for addressing other underground structures encountered during development.

Chapter 6.7 of the California Health and Safety Code contains the specific requirements for removing and remediating affected soil associated with a leaking UST (LUST). The county within which the UST is encountered is responsible for local oversight and oversees the removal of USTs. Environmental investigations and responses required following removal of the UST will be conducted under the direction of the Hayward Fire Department and in accordance with the specific provisions delineated in Chapter 6.7 of the California Health and Safety Code. Accordingly, the Hayward Fire Department will be notified in the event that a LUST or appurtenant piping is discovered during construction and development of the Site.

For other subsurface structures that may have been related to former use and storage of chemicals, such as underground vaults and sumps, the following procedures will be implemented to determine the proper disposition of the encountered structure.

The structure will be inspected to assess whether it contains any indication of chemical residuals or free liquids other than water. The environmental engineer will make this assessment in the field using visual or olfactory evidence, or field monitoring equipment. If there is no indication, based on visual observation, odor, or field air monitoring equipment, of chemical impact within the vault or sump, then removal of the structure is not necessary for environmental reasons.

If a sump or vault contains liquids that appear to contain chemicals, based on visual observations, odor, or field air monitoring equipment, then the following steps shall be taken:

- The chemical will be characterized and the appropriate response action will be determined.
- The potentially chemical-containing liquids will be sampled and analyzed for profiling purposes.
- The liquids will be properly removed and disposed of under the direction of RCEC or the designated environmental engineer.
- A report will be prepared documenting response activities for submittal to the Hayward Fire Department and the RWQCB.

If free product is encountered, the areal extent and thickness will be assessed, the chemical characterized, and the soil excavated. The excavated soil will be stockpiled and disposed of off site if necessary (Figure 4).

If unanticipated affected soil is encountered, it must be documented in a report that is submitted to the RWQCB within 30 days after the discovery of the unanticipated affected soil. This report will include the following:

- a brief description of the nature of suspected affected soil and how it was discovered,
- verification of notification of the emergency contacts listed in Table 2,
- verification that the procedures outlined in this SMP were followed, and

- analytical results for all site characterization data (including stockpile and confirmation sampling) collected.

6.6 Stockpile Management

Soil generated from construction activities may be stockpiled on site. The stockpiles will be placed on polyethylene sheeting and covered unless in use to prevent off-site soil migration due to wind and rain erosion. The covers will consist of plastic sheeting and/or non-toxic soil binders. The construction manager will have the following responsibilities concerning the on-site stockpiles:

- monitoring the stockpile covers on a daily basis,
- ensuring that accumulation records are maintained and kept in a field book on site describing where soil was excavated and the approximate amount of soil in each stockpile, and
- monitoring the fences surrounding the construction site for open gates or holes to prevent unauthorized access by the public.

Mitigation procedures to prevent wind erosion from the stockpiles include spraying them with enough water or another accepted material to keep the soil slightly damp, but not enough to create run-off from oversaturation. Stockpiles will not be piled excessively high to further prevent airborne transport of stockpile material.

Inactive stockpiles will also be protected from potential run-off due to rain using plastic sheeting. In addition, a berm made of hay bales or another accepted material will be placed around each stockpile to capture any potential run-off from the stockpile. The stockpiles will be placed on polyethylene sheeting, away from storm drains and surface-water drainage courses. Construction activities will be conducted in accordance with a SWPPP that will be prepared and submitted to the RWQCB under separate cover by the contractor who will perform the work. As outlined in the SWPPP, best management practices (including structural controls) will be installed to prevent any migration of sediments to storm drains.

Groundwater will not likely be encountered during most soil disturbances, since the anticipated depth to groundwater at the Site is greater than approximately 10 feet bgs. However, in the unlikely event of excavation of saturated soils, the soil will be stockpiled and the water will be allowed to drain onto the ground surface. The

sediments will be dried by mechanical means and the related drainage will not be allowed to drain to any water course.

6.7 Waste Characterization and Handling Procedures

Whenever possible, the soil excavated and stockpiled during site activities will be reused. The soil will only be reused if it meets all cleanup goals discussed in Section 4.0. As discussed in Section 6.5, suspected affected soil (e.g., soil exhibiting discoloration, foreign liquids, powders or other substances, odors, or detections on field equipment) will be tested. If the soil is determined to be unsuitable for reuse, it will be sent to a proper disposal facility following applicable regulations. A soil characterization flow chart is provided (Figure 4), which is based on the information below.

The State of California's hazardous waste regulations, the Resource Conservation and Recovery Act, and other applicable waste management regulations have requirements and procedures for the handling of waste. The regulations regarding land disposal of waste are overseen in California by the Department of Toxic Substances Control (DTSC) and the RWQCB.

Generators of waste resulting from site activities will be responsible for characterizing the waste to determine if the material should be classified as hazardous or non-hazardous according to California regulations (Title 22, California Code of Regulations). Generators are defined as the person(s) or organization(s) involved that produce the waste, or whose actions cause the waste to be subject to regulation 40, Code of Federal Regulations 260.10. All generated wastes must be adequately characterized to ensure proper waste management and disposal to the proper facility. The waste will be characterized by either using the standard USEPA testing methods or by applying knowledge to the process in which the waste was generated (e.g., site history information and analytical data collected from the waste streams).

Stockpile sampling will consist of a four-point composite sample for approximately every 500 cy. Analytes are to be selected based on Phase II Site Assessment results. In some cases, off-site disposal facilities may require additional samples or analyses of the waste stream before accepting the waste. The profiling of the waste for the off-site disposal facility may be necessary to determine proper disposal methods, verify that the waste meets all acceptance criteria of the disposal facility, and ensure compliance with all federal, state, and local regulations. Characterization information will be documented on a waste profile form provided by the off-site facility. Waste

characterization samples will be collected within 30-days of the waste accumulation start date.

Waste generated from site construction activities will be separated into hazardous and non-hazardous wastes. California regulations state that hazardous waste must be removed from the Site within 90 days from the first date on which any amount of hazardous waste starts to accumulate. Other waste (non-hazardous) accumulated on site will be removed from the Site as soon as possible unless reused.

If the soil is classified as not suitable for reuse, the following actions will occur:

- The waste soil will be stockpiled near the area of concern in the subsurface disturbance area.
- The hazardous waste areas will contain emergency equipment sufficient to respond to the hazards created by the waste.
- All stockpiles will be placed on plastic sheeting, with covers and perimeter berms to prevent off-site migration of soil and run-off due to rain erosion.
- Stockpile covers will be secured in place when stockpiles are not in use.
- A daily inspection of the stockpiles will be conducted to ensure the integrity of protection used on the stockpiles.
- All inspections along with records of accumulation dates of the stockpiles will be recorded and maintained on site.
- Any accumulated free liquids will be removed and placed in a container.
- The hazardous waste will not be diluted unless allowed by state and federal regulations.
- All transportation of hazardous waste will be conducted in accordance with regulatory requirements.

6.8 Construction Worker Management Measures

During construction activities, workers who may directly contact the native soil will conduct the work in accordance with Cal-OSHA training and worker protection rules and regulations. The types of hazards that construction workers or other workers involved in activities that disrupt soil are most likely to encounter include the following:

- identifying previously unknown structures or areas of affected soil and
- having direct contact with fill materials that contain inorganic constituents, lead, or petroleum compounds

Cal-OSHA is the state agency responsible for monitoring compliance with worker health and safety laws and requirements. Compliance with standard Cal-OSHA regulations, particularly Title 8, Chapter 4, "Division of Industrial Safety," will minimize the potential effects associated with excavation activities, since the intent of these standards is to prepare workers for the types of hazards that are likely to be encountered during such activities. All activities conducted within the Site must be in compliance with current Cal-OSHA rules and regulations, even if not expressly noted in this SMP. Further, all workers involved in subsurface activities must conduct the work in compliance with an environmental HSP. The HSP is an additional mechanism that will protect workers engaging in intrusive work. To achieve that goal, the HSP will delineate the specific potential hazards associated with contact with native soils at the Site and will inform workers that the subsurface material may contain lead or petroleum compounds. The HSP will also define the methods to be employed to minimize the hazards associated with such activities.

The minimum health and safety guidelines for all workers engaging in intrusive work at the Site are provided below. Preparation of and compliance with all aspects of the HSP is the responsibility of the individuals engaged in the intrusive activities. HSPs prepared for any construction project will be kept on site during the project. This SMP does not require that construction workers working at the Site comply with Cal-OSHA standards for Hazardous Waste Operations and Emergency Response, unless the companies conducting the intrusive work at the Site conclude that it is required after thoroughly evaluating the residual soil analytical data relative to the potential exposure to those chemicals necessitated by the type of work being conducted.

7.0 References

ARCADIS 2010. Soil Removal Action Completion Report, Runnels Site 3590 and 3636 Enterprise Avenue Hayward, California September 29.

Blymer Engineers, Inc. 1996a. Phase I Environmental Site Assessment. Prepared for: Runnels Industries, 3590 Enterprise Avenue, Hayward, California. April 26.

———. 1996b. Phase II Environmental Site Assessment, Runnels Industries, 3590 Enterprise Avenue, Hayward, California. July 11.

CH2MHill. 2007. Project Owner's Responses to Staff Data Requests 1-52, PG&E Facility RE-Study (FS) Report dated 11-02-06. January 17.

CH2M HILL. 2010. Corrective Action Plan, Russell City Energy Center, Hayward, California. February.

Foster Wheeler Environmental Corporation (Foster Wheeler). 2001. Phase I Environmental Site Assessment of 3590 and 3636 Enterprise Avenue, Hayward, California. April.

LFR Inc. (LFR)..2009a. Oil-Water Separator Confirmation Soil Sampling Plan, 3590 Enterprise Avenue, Hayward, California. October 7.

———. 2009b. Summary Letter Report for Confirmation Soil Sampling from Beneath the Oil-Water Separator at 3590 Enterprise Avenue in Hayward, California ("the Former Runnels Property"). December 9.

Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). 2008. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Revised May.

Tetra Tech FW, Incorporated (TTFW). 2003. Additional Site Characterization Investigation Report, 3590 and 3636 Enterprise Avenue, Hayward, California. December.

United States Environmental Protection Agency (USEPA). 2004. <http://www.epa.gov/region09/waste/sfund/prg/files/04prgtable.pdf>.

[illegible]

Sample ID	Date Collected	TPHs				Metals						PAHs																		Total Benzo(a)pyrene Equivalents After Excavation
		TPHd After		TPHmo After		Arsenic After		Lead After		Zinc After		Anthracene After		Benzo(a)-anthracene After		Benzo(b)-fluoranthene After		Benzo(k)-fluoranthene After		Benzo(a)-pyrene After		Chrysene After		Dibenzo(a,h)anthracene After		Indeno(1,2,3-cd)pyrene After		Total Benzo(a)pyrene Equivalents		
		TPHd	Excavation	TPHmo	Excavation	Arsenic	Excavation	Lead	Excavation	Zinc	Excavation	Anthracene	Excavation	Benzo(a)-anthracene	Excavation	Benzo(b)-fluoranthene	Excavation	Benzo(k)-fluoranthene	Excavation	Benzo(a)-pyrene	Excavation	Chrysene	Excavation	Dibenzo(a,h)anthracene	Excavation	Indeno(1,2,3-cd)pyrene	Excavation	Total Benzo(a)pyrene Equivalents		
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Industrial Cleanup Goals	180	180	2,500	2,500	15.5*	15.5*	750	750	2,500	2,500	2.8	2.8	1.3	1.3	1.3	1.3	1.3	1.3	0.13	0.13	23	23	0.21	0.21	2.1	2.1	0.9	0.9		
Soil																														
RN-C-B-S-1.0'-1.5'-D	6/21/2010	8.4	8.4	< 50	< 50	-	-	-	-	-	-	0.01	0.01	0.02	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.017	0.017	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	
RN-C-B-W-1.0'-1.5'	6/24/2010	23	23	120	120	8.8	8.8	15	15	86	86	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	0.02	
RN-C-S-N-0.0'-1.0'	5/18/2010	-	-	-	-	9.4	9.4	40	40	260	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RN-C-S-N-0.0'-1.0'-D	6/21/2010	130	130	990	990	-	-	-	-	-	-	< 0.20	< 0.20	0.20	0.20	0.29	0.29	0.26	0.26	0.25	0.25	0.290	0.290	< 0.200	< 0.200	0.200	0.200	0.42	0.42	
RN-C-S-S-0.0'-1.0'	5/18/2010	-	-	-	-	10	10	120	120	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RN-C-S-S-0.0'-1.0'-D	6/21/2010	57.00	57.00	150.00	150.00	-	-	-	-	-	-	0.06	0.06	0.23	0.23	0.38	0.38	0.31	0.31	0.30	0.30	0.400	0.400	0.068	0.068	0.230	0.230	0.44	0.44	
RN-C-S-W1-0.0'-1.0'	5/18/2010	-	Excavated	-	Excavated	32	Excavated	550	Excavated	5,000	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	
RN-C-S-W1A-0.0'-1.0'	6/24/2010	52	52	140	140	52	52	1600	1600	9700	9700	0.03	0.03	0.11	0.11	0.12	0.12	0.15	0.15	0.14	0.14	0.140	0.140	0.031	0.031	0.100	0.100	0.20	0.20	
RN-C-S-W2-0.0'-1.0'	5/18/2010	-	Excavated	-	Excavated	24	Excavated	440	Excavated	7,200	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	
RN-C-S-W2A-0.0'-1.0'	6/24/2010	54	54	130	130	24	24	480	480	2700	2700	0.03	0.03	0.11	0.11	0.15	0.15	0.13	0.13	0.14	0.14	0.140	0.140	0.041	0.041	0.110	0.110	0.21	0.21	
RN-C-S-W3-0.0'-1.0'	5/18/2010	-	Excavated	-	Excavated	26	Excavated	410	Excavated	7,300	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	-	Excavated	
RN-C-S-W3A-0.0'-1.0'	6/24/2010	84	84	170	170	32	32	430	430	2500	2500	0.08	0.08	0.20	0.20	0.18	0.18	0.19												

Table 1
Summary of Soil Results for Constituents of Concern
Soil Management Plan

Sample ID	Date Collected	TPHs				Metals						PAHs																Total	
		TPHd After Excavation		TPHmo After Excavation		Arsenic After Excavation		Lead After Excavation		Zinc After Excavation		Anthracene After Excavation		Benzo(a)-anthracene After Excavation		Benzo(b)-fluoranthene After Excavation		Benzo(k)-fluoranthene After Excavation		Benzo(a)-pyrene After Excavation		Chrysene After Excavation		Dibenzo(a,h)anthracene After Excavation		Indeno(1,2,3-cd)pyrene After Excavation		Total Benzo(a)pyrene Equivalents After Excavation	
		TPHd	Excavation	TPHmo	Excavation	Arsenic	Excavation	Lead	Excavation	Zinc	Excavation	Anthracene	Excavation	Benzo(a)-anthracene	Excavation	Benzo(b)-fluoranthene	Excavation	Benzo(k)-fluoranthene	Excavation	Benzo(a)-pyrene	Excavation	Chrysene	Excavation	Dibenzo(a,h)anthracene	Excavation	Indeno(1,2,3-cd)pyrene	Excavation	Benzo(a)pyrene	Equivalents
Soil	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	Industrial Cleanup Goals	180	180	2,500	2,500	15.5*	15.5*	750	750	2,500	2,500	2.8	2.8	1.3	1.3	1.3	1.3	1.3	1.3	0.13	0.13	23	23	0.21	0.21	2.1	2.1	0.9	0.9

Notes:

Only results for VOCs detected in at least one site sample are shown.
All other VOCs were non-detect in all site samples.
- = not analyzed

Results in **bold** exceed cleanup goal.

Results in **bold and underlined** exceed ten times the cleanup goal

PAH = polycyclic aromatic hydrocarbon by EPA Method 8270 - Selective Ion Measurement (SIM)

TPH-D = total petroleum hydrocarbons (extractable) quantified as diesel fuel by EPA Method 8015M

TPH-MO = total petroleum hydrocarbons (extractable) quantified as motor oil by EPA Method 8015M

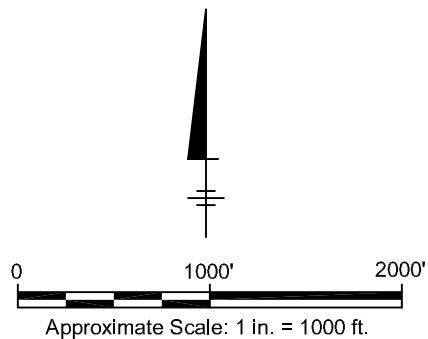
95% UCL (method 1): Calculated using Excel confidence formula; Pro UCL used for final evaluation

95% UCL (method 2): Calculated using the Central Limit Theorem (Adjusted); OSWER 9285.6-10 December 2002 available at <http://www.epa.gov/oswer/riskassessment/pdf/uc1.pdf>; Pro UCL used for final evaluation

Shaded cells indicate samples taken at locations that have been excavated.



SOURCE: 2010 GOOGLE EARTH PRO
 Data ISO NOAA, U.S. NAVY, NGA, GEBCO

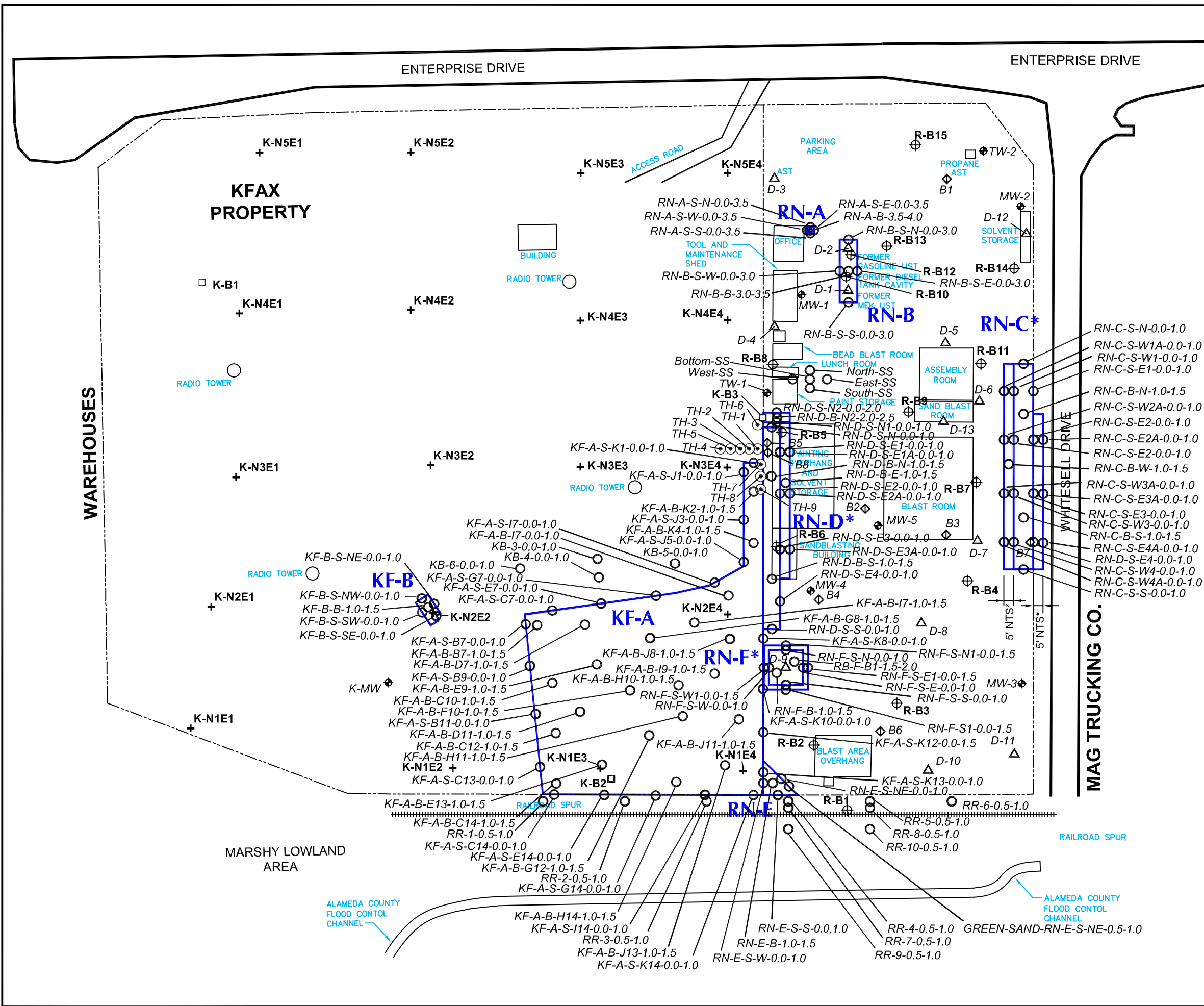


RUSSELL CITY ENERGY CENTER
 HAYWARD, CALIFORNIA

SITE VICINITY MAP



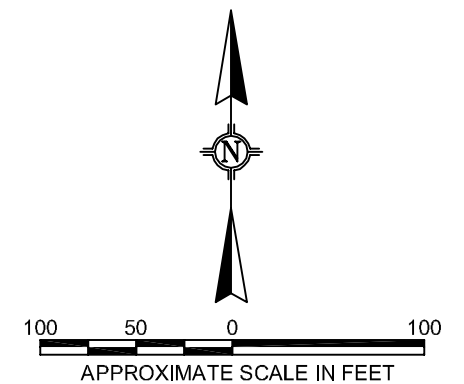
FIGURE
1



□	K-B1	SURFACE SOIL SAMPLE LOCATION
+	K-N5E1	SURFACE GRID SURVEY LOCATION
⊕	R-B7	ASC SOIL BORING LOCATION
⊕	TW-2	MONITORING WELL (MW) OR TEMPORARY WELL (TW) LOCATION
◇	B-1	PREVIOUS INVESTIGATION BORING LOCATIONS
△	D-3	PRE-EXCAVATION SAMPLES
⊙	TH-1	SOIL BORING LOCATIONS - ARCADIS
○		CONFIRMATION SAMPLE
 		APPROXIMATE LOCATION OF EXCAVATED AREAS
NTS* NOT TO SCALE*		

BUILDING DESCRIPTIONS ARE BASED ON PREVIOUS REPORTS (SEE TEXT). LOCATIONS ARE APPROXIMATE, BASED ON GLOBAL POSITIONING SYSTEM; ACCURACY APPROXIMATELY TO WITHIN 15 FEET.

*EXCAVATIONS AND OVEREXCAVATIONS
RN-F, RN-C, AND RN-D ARE SHOWN NOT TO
SCALE ~ 5 FEET FOR CLARITY PURPOSES
HERE. SEE FIGURE 2 FOR SCALE.



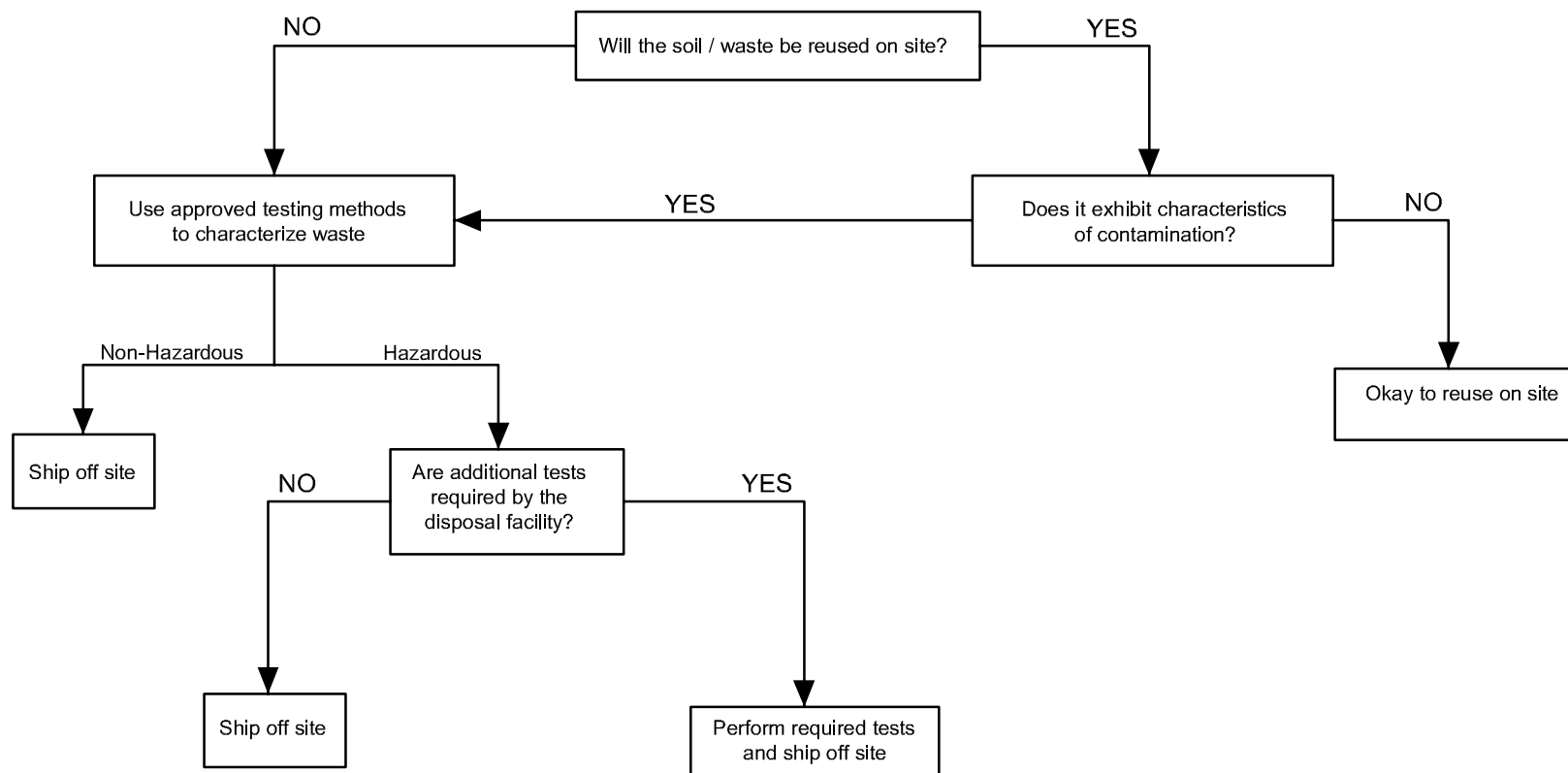
RUSSELL CITY ENERGY CENTER
HAYWARD, CALIFORNIA

HISTORICAL AND 2010 SOIL SAMPLING LOCATIONS



FIGURE 3

XREFS: IMAGES: PROJECTNAME: ---



RUSSELL CITY ENERGY CENTER
 HAYWARD, CALIFORNIA

SOIL CHARACTERIZATION FLOW CHART



FIGURE

4

Recording Requested By:

City of Hayward

777 "B" Street

Hayward, California 97146

Attn: Robert A. Bauman, PhD., P.E.,

Director of Public Works

When Recorded, Mail To:

Bruce H. Wolfe, Executive Officer

California Regional Water Quality Control Board

San Francisco Bay Region

1515 Clay Street, Suite 1400

Oakland, California 94612

ORIGINAL



2010349501

11/29/2010 01:57 PM

OFFICIAL RECORDS OF ALAMEDA COUNTY
PATRICK O'CONNELL
RECORDING FEE: 57.00



10 PGS

**COVENANT AND ENVIRONMENTAL RESTRICTION
ON PROPERTY**

3590 Enterprise Avenue

Hayward, California

This Covenant and Environmental Restriction on Property (this "Covenant") is made as of the 1st day of November 2010 by the City of Hayward ("Covenantor"), a municipal corporation of the State of California, who is the Owner of record of that certain property situated at 3590 Enterprise Avenue, in the City of Hayward, County of Alameda, State of California, which is more particularly described in Exhibit A attached hereto and incorporated herein by this reference (such portion hereinafter referred to as the "Burdened Property"), for the benefit of the California Regional Water Quality Control Board for the San Francisco Bay Region (the "Board"), with reference to the following facts:

A. The Burdened Property and groundwater underlying the property contains hazardous materials.

B. Contamination of the Burdened Property. Soil and groundwater at the Burdened Property was contaminated by previous metals finishing and coating operations, including but not limited to steam cleaning, sandblasting, and spray-on coating application conducted by various previous owners and by releases from three underground storage tanks (USTs) that reportedly contained diesel, methyl ethyl ketone (MEK), and gasoline. These operations resulted in contamination of soil and groundwater with metals, polycyclic aromatic hydrocarbons, and petroleum hydrocarbons, which constitute hazardous materials as that term is defined in Health & Safety Code Section 25260.

Remediation activities conducted at the Burdened Property included removal of the three USTs, the demolition and the removal of buildings and other industrial infrastructure. Additional remedial actions including excavation and off-site disposal of soil with concentrations of contaminants above cleanup goals were performed as described in the Corrective Action Plan for the

former Runnels Property and the KFAX Property prepared by CH2M HILL, dated February 2010 ("CAP") that was approved by the Board on March 22, 2010.

C. Exposure Pathways. The contaminants addressed in this Covenant are present in soil and groundwater on the Burdened Property. Without the mitigation measures which have been performed on the Burdened Property, exposure to these contaminants could take place via in-place contact, surface water runoff, and wind dispersal, resulting in dermal contact, inhalation, of ingestion by humans and/or pose a heightened threat to ecological receptors. The risk of public and/or ecological receptor exposure to the contaminants has been substantially lessened by the remediation and controls described herein.

D. Adjacent Land Uses and Population Potentially Affected. The Burdened Property is currently vacant and will be redeveloped for industrial/commercial land uses and is adjacent to industrial land uses.

E. Full and voluntary disclosure to the Board of the presence of hazardous materials on the Burdened Property has been made and extensive sampling of the Burdened Property has been conducted and documented.

F. Covenantor desires and intends that in order to benefit the Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that may result from hazardous materials that may have been deposited on portions of the Burdened Property.

ARTICLE I GENERAL PROVISIONS

1.1 Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions and restrictions (collectively referred to as "Restrictions") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence on the land of hazardous materials. Each and all of the Restrictions shall run with the land, and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof, for the benefit of the Board and all Owners and Occupants. Each and all of the Restrictions are imposed upon the entire Burdened Property unless expressly stated as applicable to a specific portion of the Burdened Property. Each and all of the Restrictions run with the land pursuant to section 1471 of the Civil Code. Each and all of the Restrictions are enforceable by the Board.

1.2 Concurrence of Owners and Lessees Presumed. All purchasers, lessees, or possessors of any portion of the Burdened Property shall be deemed by their purchase, leasing, or possession of such Burdened Property, to be in accord with the foregoing and to agree for and among themselves, their heirs, successors, and assignees, and the agents, employees, and lessees of such owners, heirs, successors, and assignees, that the Restrictions as herein established must be adhered to for the benefit of the Board and the Owners and Occupants of the Burdened Property and that the interest of the Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3 Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions set out herein shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant and Agreement has been attached to or incorporated into any given deed or lease.

1.4 Purpose. It is the purpose of this instrument to convey to the Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

ARTICLE II DEFINITIONS

2.1 Board. "Board" shall mean the California Regional Water Quality Control Board for the San Francisco Bay Region and shall include its successor agencies, if any.

2.2 Improvements. "Improvements" shall mean all buildings, roads, driveways, regradings, and paved parking areas, constructed or placed upon any portion of the Burdened Property.

2.3 Occupants. "Occupants" shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the exclusive right to use and/or occupy all or any portion of the Burdened Property.

2.4 Owner or Owners. "Owner" or "Owners" shall mean the Covenantor and/or its successors in interest, who hold title to all or any portion of the Burdened Property.

2.5 Prior Owner. "Prior Owner" shall mean the Russell City Energy Company, LLC who was the immediate past owner of the Burdened Property prior to transfer of the Burdened Property to Covenantor.

ARTICLE III DEVELOPMENT, USE AND CONVEYANCE OF THE BURDENED PROPERTY

3.1 Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

- a. Development of the Burdened Property shall be restricted to industrial, commercial or office space;
- b. No residence for human habitation shall be permitted on the Burdened Property;
- c. No hospitals shall be permitted on the Burdened Property;

d. No schools for persons under 21 years of age shall be permitted on the Burdened Property;

e. No day care centers for children or day care centers for Senior Citizens shall be permitted on the Burdened Property;

f. No Owners or Occupants of the Property or any portion thereof shall conduct any excavation work on the Property, unless in compliance with the CAP and a Soil Management Plan prepared prior to such excavation work. Any contaminated soils brought to the surface by grading, excavation, trenching, or backfilling shall be managed by Prior Owner or his agent in accordance with all applicable provisions of local, state and federal law, the CAP and Soil Management Plan as applicable;

g. All uses and development of the Burdened Property shall be consistent with the CAP and any applicable Soil Management Plan including amendments thereto, each of which is hereby incorporated by reference;

h. No Owners or Occupants of the Property or any portion thereof shall drill, bore, otherwise construct, or use a well for the purpose of extracting water for any use, including but not limited to, domestic, potable, or industrial uses, unless expressly permitted in writing by the Board.

i. The Covenantor agrees that the Board, and/or any persons acting pursuant to Board orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring, as provided for in Division 7 of the Water Code.

j. No Owner or Occupant of the Burdened Property shall act in any manner that will aggravate or contribute to the existing environmental conditions of the Burdened Property.

3.2 Enforcement. Failure of an Owner or Occupant to comply with any of the restrictions, as set forth in paragraph 3.1, shall be grounds for the Board, by reason of this Covenant, to have the authority to require that the Owner modify or remove any Improvements constructed in violation of that paragraph. Violation of the Covenant shall be grounds for the Board to file civil actions against the Owner as provided by law.

3.3 Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument which shall accompany all purchase agreements or leases relating to the property. Any such instrument shall contain the following statement:

The land described herein contains hazardous materials in soils and in the ground water under the property, and is subject to a deed restriction dated as of Nov 29, 2010, and recorded on Nov. 29, 2010, in the Official Records of Alameda County, California, as Document No. 2010349501 which Covenant and Restriction imposes certain covenants, conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

ARTICLE IV
VARIANCE AND TERMINATION

4.1 Variance. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or any portion thereof may apply to the Board for a written variance from the provisions of this Covenant.

4.2 Termination. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or a portion thereof may apply to the Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property.

4.3 Term. Unless terminated in accordance with paragraph 4.2 above, by law or otherwise, this Covenant shall continue in effect in perpetuity.

ARTICLE V
MISCELLANEOUS

5.1 No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2 Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective (1) when delivered, if personally delivered to the person being served or official of a government agency being served, or (2) three (3) business days after deposit in the mail if mailed by United States mail, postage paid certified, return receipt requested:

If To: "Covenantor"
City of Hayward
777 "B" Street
Hayward, California 97146
Attn: Robert A. Bauman, PhD., P.E.,
Director of Public Works

If To: "Board"
Regional Water Quality Control Board
San Francisco Bay Region
Attention: Executive Officer
1515 Clay Street, Suite 1400
Oakland, California 94612

If To: "Prior Owner"
Russell City Energy Company, LLC
c/o Calpine Corporation
4160 Dublin Boulevard, Suite 100
Dublin, California 94588
Attn: Area Executive

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4 Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not a part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Board. This instrument shall be recorded by the Covenantor in the County of Alameda within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to effect the purpose of this instrument and the policy and purpose of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

COVENANTOR: CITY OF HAYWARD

CITY:

RECOMMENDED

The City of Hayward, a municipal corporation of the State of California

By: *R. A. Bauman*
R. A. Bauman
Director of Public Works

By: *Frances David*
Frances David
City Manager

Dated: October 27, 2010

November 1, 2010
Dated: ~~October~~ November 1, 2010

APPROVED AS TO FORM

By: *Michael Lawson*
Michael Lawson
City Attorney

Attest: *Miriam Lens*
Miriam Lens
City Clerk

November 1, 2010
Dated: ~~October~~ November 1, 2010

Dated: October 28, 2010

State of California

County of Alameda

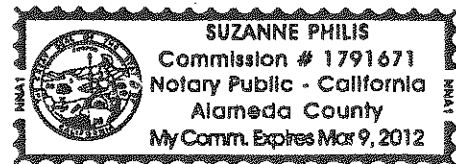
On Nov. 2, 2010 before me, Suzanne Philis, Notary Public, personally appeared Frances David, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Suzanne Philis
Signature of Notary Public

(Notary Seal)



Comm # 1791671
Exp 3/9/12

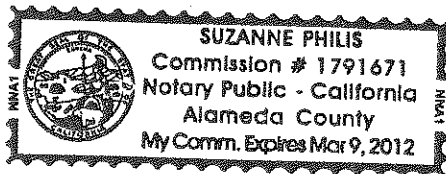
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT


State of California)
) ss.
County of Alameda)

On November 5, 2010, before me, Suzanne Philis, Notary Public, personally appeared R. A. Bauman, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Suzanne Philis, Notary Public

Suzanne Philis
Commission # 1791671
Notary Public – California
Alameda County
My Comm. Expires March 9, 2012

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, SAN FRANCISCO
BAY REGION

Print Name: Bruce H. Wolfe
Signature: Bruce H. Wolfe
Title: Executive Officer
Date: Nov. 24, 2010

State of California

County of Alameda

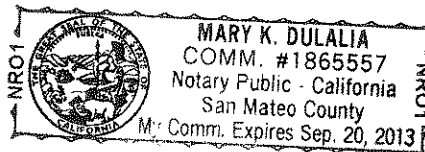
On November 24, 2010 before me, Mary K Dulalia, Notary Public, personally appeared Bruce H. Wolfe, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Mary K Dulalia
Signature of Notary Public

(Notary Seal)



PRIOR OWNER: RUSSELL CITY ENERGY COMPANY, LLC,
a Delaware limited liability company

Print Name: Alexandre B. Makler
Signature: [Signature]
Title: Authorized Signatory and Vice President
Date: November 8, 2010

State of California

County of Alameda

On November 8, 2010 before me, Marjorie E. Oxsen, Notary Public, personally appeared Alexandre B. Makler who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Marjorie E. Oxsen
Signature of Notary Public

(Notary Seal)

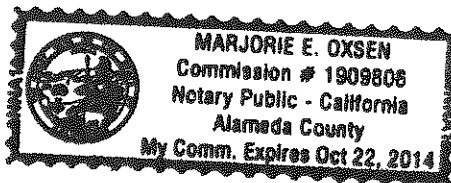


EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

THE LAND DESCRIBED HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF ALAMEDA, CITY OF HAYWARD, AND IS DESCRIBED AS FOLLOWS:

PARCEL ONE:

LOT 3, AS SHOWN ON PARCEL MAP NO. 397, FILED APRIL 22, 1969, SERIES NO. 69-44450 IN BOOK 61 OF PARCEL MAPS, PAGE 1.

EXCEPTING THEREFROM THAT PORTION THEREOF DESCRIBED IN THE DEED TO THE CITY OF HAYWARD, RECORDED APRIL 28, 1972, SERIES NO. 55813, REEL 3118, OR IMAGE 689.

PARCEL TWO:

A NON-EXCLUSIVE EASEMENT FOR ALL PUBLIC UTILITY PURPOSES OVER THE NORTHERN 10 FEET OF PROPERTY ADJOINING ON THE WEST, AND A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS OVER THE NORTHERN 60 FEET OF SAID PROPERTY ADJOINING ON THE WEST, AS RESERVED IN THE DEED FROM DONALD E. FOSS, ET ALL, RECORDED OCTOBER 21, 1968, REEL 2276, OFFICIAL RECORDS, IMAGE 655.

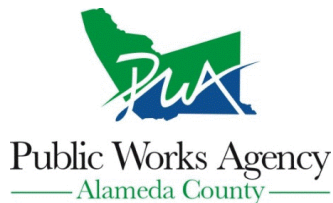
A.P.N. 439-0099-003-07

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



Attachment B – Well Permit Documentation

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/02/2021 By jamesy

Permit Numbers: W2021-0151
Permits Valid from 03/11/2021 to 03/14/2021

Application Id: 1612935808711
Site Location: 3636 Enterprise Ave, Hayward, CA 94545, USA-County Health Order 20-10 Appendix B Protocol
Project Start Date: 03/11/2021
Assigned Inspector: Contact Sam Brathwaite at (925) 570-7609 or sam@grzones.com
Applicant: RPS Group - Alonzo Granados
Property Owner: David Stowell
Client: Scott Strine
Contact: Alonzo Granados
City of Project Site: Hayward
Completion Date: 03/14/2021
Phone: 415-500-5892
Phone: 805-446-1496
Phone: 775-858-8080
Phone: 415-500-5892
Cell: 415-500-5892

Receipt Number: WR2021-0093
Payee Name: Alonzo Granados
Total Due: \$265.00
Total Amount Paid: \$265.00
Paid By: VISA
PAID IN FULL

Works Requesting Permits:

Borehole(s) for Geo Probes-Soil and water only-Sampling 24 to 48 hours Max (soil and water only) - 7 Boreholes
Driller: Environmental Control Associates, Inc. - Lic #: 695970 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2021-0151	03/02/2021	06/09/2021	7	2.25 in.	5.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. The following conditions are required for permit approval at an LOP or SCP site for geotechnical or environmental investigations at open or closed sites: The consultant is to provide the report by email to Alameda County Public Works Agency (ACPWA) with an acknowledgement statement and professional stamp (engineering or geologist) within 60 days from the completion of work. Future permits may be at risk of delay should reports not be provided promptly.

Alameda County Public Works Agency - Water Resources Well Permit

5. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 6. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
 7. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 8. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.
 9. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained. Provide copies of all approved permits obtained to County inspector prior to starting drilling.
 10. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.
 11. Conditions of approval:
 1. RPS field staff will be trained and prepared to identify contamination.
 2. A health and safety plan (HASP) will be prepared and reviewed with RPS field staff and/or its subcontractors.
 3. Site workers will be HAZWOPER trained.
 4. Field screening of site soil will be conducted with the use of a photoionization detector (PID) or flame ionization detector (FID), with screening readings recorded on the boring logs.
 12. 5.All generated soil or materials or extracted groundwater, if encountered, should be assumed to be hazardous until there is sufficient data to adequately characterize these materials. Soil and groundwater sampling results and/or field observations, including boring logs will be forwarded to the ACPWA, attention James Yoo via electronic mail jamesy@acpwa.org, in the event contamination is encountered.
 - 6.Any soil and/or groundwater that is proposed for off-site disposal will be properly characterized and disposed of at an appropriately licensed disposal facility.
 13. Follow all requirements of the Soil Management Plan (SMP) for the Runnels Property, approved by the RWQCB.
-

April 29,2020

WELL STANDARDS PROGRAM COVID-19 ORDER 20-10

PROTOCOLS FOR FIELD WORK

Purpose:

The Alameda County Health Care Services has extended the Shelter in Place Order on April 29, 2020 (Order 20-10) to end on May 31, 2020. This Order amends, clarifies, and extends certain terms of the Prior Order to ensure continued social distancing and limit person-to-person contact to reduce the rate of transmission of Novel Coronavirus Disease 2019 (“COVID-19”). This Order continues to restrict most activity, travel, and governmental and business functions.

This Order shall become effective at 11:59 p.m. on May 3, 2020 and will continue to be in effect until 11:59 p.m. on May 31, 2020, or until it is extended, rescinded, superseded, or amended in writing by the Health Officer.

Effective as of May 3, 2020 by the Order of the Health Officer No. 20-10, all drilling activities must meet Appendix B of the County Order:

Appendix B1 – Small Construction Project Safety Protocol (SCP Protocol)

Appendix B2 – Large Construction Project Safety Protocol (LCP Protocol)

All personnel and subcontractors, including Alameda County Public Works personnel involved in the drilling operation shall follow the approved SCP or the LCP Protocol approved by the County Health Officer No. 20-10. While these are Protocol, they should be adhered to unless some other form of emergency arises while doing field work.



ORDER OF THE HEALTH OFFICER NO. 20-10

**ORDER OF THE HEALTH OFFICER
OF THE COUNTY OF ALAMEDA DIRECTING
ALL INDIVIDUALS IN THE COUNTY TO CONTINUE SHELTERING AT
THEIR PLACE OF RESIDENCE EXCEPT FOR ESSENTIAL NEEDS AND
IDENTIFIED OUTDOOR ACTIVITIES IN COMPLIANCE WITH
SPECIFIED REQUIREMENTS; CONTINUING TO EXEMPT HOMELESS
INDIVIDUALS FROM THE ORDER BUT URGING GOVERNMENT
AGENCIES TO PROVIDE THEM SHELTER; REQUIRING ALL
BUSINESSES AND RECREATION FACILITIES THAT ARE ALLOWED
TO OPERATE TO IMPLEMENT SOCIAL DISTANCING, FACE
COVERING, AND CLEANING PROTOCOLS; AND DIRECTING ALL
BUSINESSES, FACILITY OPERATORS, AND GOVERNMENTAL
AGENCIES TO CONTINUE THE TEMPORARY CLOSURE OF ALL
OTHER OPERATIONS NOT ALLOWED UNDER THIS ORDER**

DATE OF ORDER: APRIL 29, 2020

Please read this Order carefully. Violation of or failure to comply with this Order is a misdemeanor punishable by fine, imprisonment, or both. (California Health and Safety Code § 120295, *et seq.*; Cal. Penal Code §§ 69, 148(a)(1))

UNDER THE AUTHORITY OF CALIFORNIA HEALTH AND SAFETY CODE SECTIONS 101040, 101085, AND 120175, THE HEALTH OFFICER OF THE COUNTY OF ALAMEDA (“HEALTH OFFICER”) ORDERS:

1. This Order supersedes the March 31, 2020 Order of the Health Officer directing all individuals to shelter in place (“Prior Order”). This Order amends, clarifies, and extends certain terms of the Prior Order to ensure continued social distancing and limit person-to-person contact to reduce the rate of transmission of Novel Coronavirus Disease 2019 (“COVID-19”). This Order continues to restrict most activity, travel, and governmental and business functions. But in light of progress achieved in slowing the spread of COVID-19 in the County of Alameda (the “County”) and neighboring counties, the Order allows a limited number of additional Essential Businesses and certain lower risk Outdoor Businesses (both as defined in Section 16 below) to resume operating. This initial, measured resumption of those activities is designed to keep the overall volume of person-to-person contact very low to prevent a surge in COVID-19 cases in the County and neighboring counties. The activities allowed by this Order will be assessed on an

Order of the County Health Officer
to Shelter in Place (April 29, 2020)



ongoing basis and may need to be modified if the risk associated with COVID-19 increases in the future. As of the effective date and time of this Order set forth in Section 19 below, all individuals, businesses, and government agencies in the County are required to follow the provisions of this Order.

2. The primary intent of this Order is to ensure that County residents continue to shelter in their places of residence to slow the spread of COVID-19 and mitigate the impact on delivery of critical healthcare services. This Order allows a limited number of additional essential and outdoor business activities to resume while the Health Officer continues to assess the transmissibility and clinical severity of COVID-19 and monitors indicators described in Section 11. All provisions of this Order must be interpreted to effectuate this intent. Failure to comply with any of the provisions of this Order constitutes an imminent threat and menace to public health, constitutes a public nuisance, and is punishable by fine, imprisonment, or both.
3. All individuals currently living within the County are ordered to shelter at their place of residence. They may leave their residence only for: Essential Activities as defined in Section 16.a and Outdoor Activities as defined in Section 16.m; Essential Governmental Functions as defined in Section 16.d; Essential Travel as defined in Section 16.i, to work for Essential Businesses as defined in Section 16.f, and Outdoor Businesses as defined in Section 16.l; or to perform Minimum Basic Operations for other businesses that must remain temporarily closed, as provided in Section 16.g. For clarity, individuals who do not currently reside in the County must comply with all applicable requirements of the Order when in the County. Individuals experiencing homelessness are exempt from this Section, but are strongly urged to obtain shelter, and governmental and other entities are strongly urged to, as soon as possible, make such shelter available and provide handwashing or hand sanitation facilities to persons who continue experiencing homelessness.
4. When people need to leave their place of residence for the limited purposes allowed in this Order, they must strictly comply with Social Distancing Requirements as defined in Section 16.k, except as expressly provided in this Order, and must wear Face Coverings as provided in Health Officer Order No. 20-08 (the "Face Covering Order").
5. All businesses with a facility in the County, except Essential Businesses and Outdoor Businesses, as defined in Section 16, are required to have ceased activities at facilities located within the County except Minimum Basic Operations, as defined in Section 16. For clarity, all businesses may continue operations consisting exclusively of owners, personnel, volunteers, or contractors performing activities at their own residences (i.e., working from home). All Essential Businesses are strongly encouraged to remain open. But all businesses are directed to maximize the number of personnel who work from home. Essential Businesses and Outdoor Businesses may only assign those personnel who cannot perform their job duties from home to work outside the home. Outdoor



Businesses must conduct all business and transactions involving members of the public outdoors.

6. As a condition of operating under this Order, the operators of all businesses must prepare or update, post, implement, and distribute to their personnel a Social Distancing Protocol for each of their facilities in the County frequented by personnel or members of the public, as specified in Section 16.h. Businesses that include an Essential Business or Outdoor Business component at their facilities alongside other components must, to the extent feasible, scale down their operations to the Essential Business and Outdoor Business components only; provided, however, mixed retail businesses that are otherwise allowed to operate under this Order may continue to stock and sell non-essential products. All businesses allowed to operate under this Order must follow any industry-specific guidance issued by the Health Officer related to COVID-19.
7. All public and private gatherings of any number of people occurring outside a single household or living unit are prohibited, except for the limited purposes expressly permitted in this Order. Nothing in this Order prohibits members of a single household or living unit from engaging in Essential Travel, Essential Activities, or Outdoor Activities together.
8. All travel, including, but not limited to, travel on foot, bicycle, scooter, motorcycle, automobile, or public transit, except Essential Travel, as defined below in Section 16.i, is prohibited. People may use public transit only for purposes of performing Essential Activities and Outdoor Activities, or to travel to and from work for Essential Businesses or Outdoor Businesses, to maintain Essential Governmental Functions, or to perform Minimum Basic Operations at non-essential businesses. Transit agencies and people riding on public transit must comply with Social Distancing Requirements, as defined in Section 16.k, to the greatest extent feasible, and personnel and passengers must wear Face Coverings as required by the Face Covering Order. This Order allows travel into or out of the County only to perform Essential Activities and Outdoor Activities, to operate or perform work for Essential Businesses or Outdoor Businesses, to maintain Essential Governmental Functions, or to perform Minimum Basic Operations at non-essential businesses.
9. This Order is issued based on evidence of continued significant community transmission of COVID-19 within the County and throughout the Bay Area; continued uncertainty regarding the degree of undetected asymptomatic transmission; scientific evidence and best practices regarding the most effective approaches to slow the transmission of communicable diseases generally and COVID-19 specifically; evidence that the age, condition, and health of a significant portion of the population of the County places it at risk for serious health complications, including death, from COVID-19; and further evidence that others, including younger and otherwise healthy people, are also at risk for serious outcomes. Due to the outbreak of the COVID-19 disease in the general public,



which is now a pandemic according to the World Health Organization, there is a public health emergency throughout the County. Making the problem worse, some individuals who contract the virus causing the COVID-19 disease have no symptoms or have mild symptoms, which means they may not be aware they carry the virus and are transmitting it to others. Further, evidence shows that the virus can survive for hours to days on surfaces and be indirectly transmitted between individuals. Because even people without symptoms can transmit the infection, and because evidence shows the infection is easily spread, gatherings and other direct or indirect interpersonal interactions can result in preventable transmission of the virus.

10. The collective efforts taken to date regarding this public health emergency have slowed the virus' trajectory, but the emergency and the attendant risk to public health remain significant. As of April 27, 2020, there are 1,483 confirmed cases of COVID-19 in the County (up from 19 on March 15, 2020, just before the first shelter-in-place order) as well as at least 7,273 confirmed cases (up from 258 confirmed cases on March 15, 2020) and at least 266 deaths (up from 3 deaths on March 15, 2020) in the seven Bay Area jurisdictions jointly issuing this Order. The cumulative number of confirmed cases continues to increase, though the rate of increase has slowed in the days leading up to this Order. Evidence suggests that the restrictions on mobility and social distancing requirements imposed by the Prior Order (and the March 16, 2020 shelter-in-place order) are slowing the rate of increase in community transmission and confirmed cases by limiting interactions among people, consistent with scientific evidence of the efficacy of similar measures in other parts of the country and world.
11. The local health officers who jointly issued the Prior Order are monitoring several key indicators ("COVID-19 Indicators"), which are among the many factors informing their decisions whether to modify existing shelter-in-place restrictions. Progress on some of these COVID-19 Indicators—specifically related to case and hospitalization trends and adequate current hospital capacity—makes it appropriate, at this time, to ease certain restrictions imposed by the Prior Order to allow individuals to engage in a limited set of additional activities and perform work for a limited set of additional businesses associated with the lower risk of COVID-19 transmission, as set forth in Section 16.1. But the continued prevalence of the virus that causes COVID-19 requires most activities and business functions to remain restricted, and those activities that are permitted to occur must do so subject to social distancing and other infection control practices identified by the Health Officer. Progress on the COVID-19 Indicators will be critical to determinations by the local health officers regarding whether the restrictions imposed by this Order may be further modified. The Health Officer will continually review whether modifications to the Order are justified based on (1) progress on the COVID-19 Indicators; (2) developments in epidemiological and diagnostic methods for tracing, diagnosing, treating, or testing for COVID-19; and (3) scientific understanding of the transmission dynamics and clinical impact of COVID-19. The COVID-19 Indicators include, but are not limited to, the following:



- a. The trend of the number of new COVID-19 cases and hospitalizations per day
 - b. The capacity of hospitals and the health system in the County and region, including acute care beds and Intensive Care Unit beds, to provide care for COVID-19 patients and other patients, including during a surge in COVID-19 cases.
 - c. The supply of personal protective equipment (PPE) available for hospital staff and other healthcare providers and personnel who need PPE to safely respond to and treat COVID-19 patients.
 - d. The ability and capacity to quickly and accurately test persons to determine whether they are COVID-19 positive, especially those in vulnerable populations or high-risk settings or occupations.
 - e. The ability to conduct case investigation and contact tracing for the volume of cases and associated contacts that will continue to occur, isolating confirmed cases and quarantining persons who have had contact with confirmed cases.
12. The scientific evidence shows that at this stage of the emergency, it remains essential to continue to slow virus transmission to help (a) protect the most vulnerable; (b) prevent the health care system from being overwhelmed; (c) prevent long-term chronic health conditions, such as cardiovascular, kidney, and respiratory damage and loss of limbs from blood clotting; and (d) prevent deaths. Extension of the Prior Order is necessary to slow the spread of the COVID-19 disease, preserving critical and limited healthcare capacity in the County and advancing toward a point in the public health emergency where transmission can be controlled. At the same time, since the Prior Order was issued the County has made significant progress in expanding health system capacity and healthcare resources and in slowing community transmission of COVID-19. In light of progress on these indicators, and subject to continued monitoring and potential public health-based responses, it is appropriate at this time to allow additional Essential Businesses and Outdoor Businesses to operate in the County. Outdoor Businesses, by virtue of their operation outdoors, carry a lower risk of transmission than most indoor businesses. Because Outdoor Businesses, as defined in section 16.1, generally involve only brief and limited person-to-person interactions, they also carry lower risk of transmission than business activities prohibited under the Order, which tend to involve prolonged interactions between individuals in close proximity or in confined spaces where transmission is more likely. Existing Outdoor Businesses also constitute a relatively small proportion of business activity in the County, and therefore do not substantially increase the volume of interaction between persons in the County when reopened.



13. This Order is issued in accordance with, and incorporates by reference, the March 4, 2020 Proclamation of a State of Emergency issued by Governor Gavin Newsom, the Declarations of Local Health Emergency issued by the Health Officer on March 1 and 5, the March 10, 2020 Resolution of the Board of Supervisors of the County of Alameda Ratifying the Declarations of Local Health Emergency, and the March 17, 2020 Resolution of the Board of Supervisors Ratifying the Declaration of Local Emergency.
14. This Order comes after the release of substantial guidance from the Health Officer, the Centers for Disease Control and Prevention, the California Department of Public Health, and other public health officials throughout the United States and around the world, including the widespread adoption of orders imposing similar social distancing requirements and mobility restrictions to combat the spread and harms of COVID-19. The Health Officer will continue to assess the quickly evolving situation and may modify or extend this Order, or issue additional Orders, related to COVID-19, as changing circumstances dictate.
15. This Order is also issued in light of the March 19, 2020 Order of the State Public Health Officer (the “State Shelter Order”), which set baseline statewide restrictions on non-residential business activities, effective until further notice, as well as the Governor’s March 19, 2020 Executive Order N-33-20 directing California residents to follow the State Shelter Order. The State Shelter Order was complementary to the Prior Order and is complementary to this Order. This Order adopts in certain respects more stringent restrictions addressing the particular facts and circumstances in this County, which are necessary to control the public health emergency as it is evolving within the County and the Bay Area. Without this tailored set of restrictions that further reduces the number of interactions between persons, scientific evidence indicates that the public health crisis in the County will worsen to the point at which it may overtake available health care resources within the County and increase the death rate. Also, this Order enumerates additional restrictions on non-work-related travel not covered by the State Shelter Order; sets forth mandatory Social Distancing Requirements for all individuals in the County when engaged in activities outside their residences; and adds a mechanism to ensure that all businesses with facilities that are allowed to operate under the Order comply with the Social Distancing Requirements. Where a conflict exists between this Order and any state public health order related to the COVID-19 pandemic, the most restrictive provision controls. Consistent with California Health and Safety Code section 131080 and the Health Officer Practice Guide for Communicable Disease Control in California, except where the State Health Officer may issue an order expressly directed at this Order and based on a finding that a provision of this Order constitutes a menace to public health, any more restrictive measures in this Order continue to apply and control in this County. In addition, to the extent any federal guidelines allow activities that are not allowed by this Order, this Order controls and those activities are not allowed.

16. Definitions and Exemptions.



- a. For the purposes of this Order, individuals may leave their residence only to perform the following “Essential Activities.” But people at high risk of severe illness from COVID-19 and people who are sick are strongly urged to stay in their residence to the extent possible, except as necessary to seek or provide medical care or Essential Governmental Functions. Essential Activities are:
 - i. To engage in activities or perform tasks important to their health and safety, or to the health and safety of their family or household members (including pets), such as, by way of example only and without limitation, obtaining medical supplies or medication, or visiting a health care professional.
 - ii. To obtain necessary services or supplies for themselves and their family or household members, or to deliver those services or supplies to others, such as, by way of example only and without limitation, canned food, dry goods, fresh fruits and vegetables, pet supply, fresh meats, fish, and poultry, and any other household consumer products, products needed to work from home, or products necessary to maintain the habitability, sanitation, and operation of residences.
 - iii. To engage in outdoor recreation activity, including, by way of example and without limitation, walking, hiking, bicycling, and running, in compliance with Social Distancing Requirements and with the following limitations:
 1. Outdoor recreation activity at parks, beaches, and other open spaces must comply with any restrictions on access and use established by the Health Officer, government, or other entity that manages such area to reduce crowding and risk of transmission of COVID-19. Such restrictions may include, but are not limited to, restricting the number of entrants, closing the area to vehicular access and parking, or closure to all public access;
 2. Use of outdoor recreational areas and facilities with high-touch equipment or that encourage gathering, including, but not limited to, playgrounds, gym equipment, climbing walls, picnic areas, dog parks, pools, spas, and barbecue areas, is prohibited outside of residences, and all such areas shall be closed to public access including by signage and, as appropriate, by physical barriers;
 3. Sports or activities that include the use of shared equipment or physical contact between participants may only be engaged in by members of the same household or living unit.
 4. Use of shared outdoor facilities for recreational activities that may occur outside of residences consistent with the restrictions set forth



in subsections 1, 2, and 3, above, including, but not limited to, golf courses, skate parks, and athletic fields, must, before they may begin, comply with social distancing and health/safety protocols posted at the site and any other restrictions, including prohibitions, on access and use established by the Health Officer, government, or other entity that manages such area to reduce crowding and risk of transmission of COVID-19.

- iv. To perform work for or access an Essential Business, Outdoor Business, or to otherwise carry out activities specifically permitted in this Order, including Minimum Basic Operations, as defined in this Section.
 - v. To provide necessary care for a family member or pet in another household who has no other source of care.
 - vi. To attend a funeral with no more than 10 individuals present.
 - vii. To move residences. When moving into or out of the Bay Area region, individuals are strongly urged to quarantine for 14 days. To quarantine, individuals should follow the guidance of the United States Centers for Disease Control and Prevention.
- b. For the purposes of this Order, individuals may leave their residence to work for, volunteer at, or obtain services at “Healthcare Operations,” including, without limitation, hospitals, clinics, COVID-19 testing locations, dentists, pharmacies, blood banks and blood drives, pharmaceutical and biotechnology companies, other healthcare facilities, healthcare suppliers, home healthcare services providers, mental health providers, or any related and/or ancillary healthcare services. “Healthcare Operations” also includes veterinary care and all healthcare services provided to animals. This exemption for Healthcare Operations shall be construed broadly to avoid any interference with the delivery of healthcare, broadly defined. “Healthcare Operations” excludes fitness and exercise gyms and similar facilities.
- c. For the purposes of this Order, individuals may leave their residence to provide any services or perform any work necessary to the operation and maintenance of “Essential Infrastructure,” including airports, utilities (including water, sewer, gas, and electrical), oil refining, roads and highways, public transportation, solid waste facilities (including collection, removal, disposal, recycling, and processing facilities), cemeteries, mortuaries, crematoriums, and telecommunications systems (including the provision of essential global, national, and local infrastructure for internet, computing services, business infrastructure, communications, and web-based services).



- d. For the purposes of this Order, all first responders, emergency management personnel, emergency dispatchers, court personnel, and law enforcement personnel, and others who need to perform essential services are categorically exempt from this Order to the extent they are performing those essential services. Further, nothing in this Order shall prohibit any individual from performing or accessing “Essential Governmental Functions,” as determined by the governmental entity performing those functions in the County. Each governmental entity shall identify and designate appropriate personnel, volunteers, or contractors to continue providing and carrying out any Essential Governmental Functions, including the hiring or retention of new personnel or contractors to perform such functions. Each governmental entity and its contractors must employ all necessary emergency protective measures to prevent, mitigate, respond to, and recover from the COVID-19 pandemic, and all Essential Governmental Functions shall be performed in compliance with Social Distancing Requirements to the greatest extent feasible.
- e. For the purposes of this Order, a “business” includes any for-profit, non-profit, or educational entity, whether a corporate entity, organization, partnership or sole proprietorship, and regardless of the nature of the service, the function it performs, or its corporate or entity structure.
- f. For the purposes of this Order, “Essential Businesses” are:
 - i. Healthcare Operations and businesses that operate, maintain, or repair Essential Infrastructure;
 - ii. Grocery stores, certified farmers’ markets, farm and produce stands, supermarkets, food banks, convenience stores, and other establishments engaged in the retail sale of unprepared food, canned food, dry goods, non-alcoholic beverages, fresh fruits and vegetables, pet supply, fresh meats, fish, and poultry, as well as hygienic products and household consumer products necessary for personal hygiene or the habitability, sanitation, or operation of residences. The businesses included in this subparagraph (ii) include establishments that sell multiple categories of products provided that they sell a significant amount of essential products identified in this subparagraph, such as liquor stores that also sell a significant amount of food.
 - iii. Food cultivation, including farming, livestock, and fishing;
 - iv. Businesses that provide food, shelter, and social services, and other necessities of life for economically disadvantaged or otherwise needy individuals;
 - v. Construction, but only as permitted under the State Shelter Order and only pursuant to the Construction Safety Protocols listed in Appendix B and



incorporated into this Order by this reference. Public works projects shall also be subject to Appendix B, except if other protocols are specified by the Health Officer;

- vi. Newspapers, television, radio, and other media services;
- vii. Gas stations and auto-supply, auto-repair (including, but not limited to, for cars, trucks, motorcycles and motorized scooters), and automotive dealerships, but only for the purpose of providing auto-supply and auto-repair services. This subparagraph (vii) does not restrict the on-line purchase of automobiles if they are delivered to a residence or Essential Business;
- viii. Bicycle repair and supply shops;
- ix. Banks and related financial institutions;
- x. Service providers that enable real estate transactions (including rentals, leases, and home sales), including, but not limited to, real estate agents, escrow agents, notaries, and title companies, provided that appointments and other residential real estate viewings must only occur virtually or, if a virtual viewing is not feasible, by appointment with no more than two visitors at a time residing within the same household or living unit and one individual showing the unit (except that in person visits are not allowed when the occupant is present in the residence);
- xi. Hardware stores;
- xii. Plumbers, electricians, exterminators, and other service providers who provide services that are necessary to maintaining the habitability, sanitation, or operation of residences and Essential Businesses;
- xiii. Businesses providing mailing and shipping services, including post office boxes;
- xiv. Educational institutions—including public and private K-12 schools, colleges, and universities—for purposes of facilitating distance learning or performing essential functions, or as allowed under subparagraph xxvi, provided that social distancing of six feet per person is maintained to the greatest extent possible;
- xv. Laundromats, drycleaners, and laundry service providers;
- xvi. Restaurants and other facilities that prepare and serve food, but only for delivery or carry out. Schools and other entities that typically provide free food services to students or members of the public may continue to do so under this Order on the condition that the food is provided to students or members of the public on a pick-up and take-away basis only. Schools and other entities that provide food services under this exemption shall not



permit the food to be eaten at the site where it is provided, or at any other gathering site;

- xvii. Funeral home providers, mortuaries, cemeteries, and crematoriums, to the extent necessary for the transport, preparation, or processing of bodies or remains;
- xviii. Businesses that supply other Essential Businesses with the support or supplies necessary to operate, but only to the extent that they support or supply these Essential Businesses. This exemption shall not be used as a basis for engaging in sales to the general public from retail storefronts;
- xix. Businesses that have the primary function of shipping or delivering groceries, food, or other goods directly to residences or businesses. This exemption shall not be used to allow for manufacturing or assembly of non-essential products or for other functions besides those necessary to the delivery operation;
- xx. Airlines, taxis, rental car companies, rideshare services (including shared bicycles and scooters), and other private transportation providers providing transportation services necessary for Essential Activities and other purposes expressly authorized in this Order;
- xxi. Home-based care for seniors, adults, children, and pets;
- xxii. Residential facilities and shelters for seniors, adults, and children;
- xxiii. Professional services, such as legal, notary, or accounting services, when necessary to assist in compliance with non-elective, legally required activities or in relation to death or incapacity;
- xxiv. Services to assist individuals in finding employment with Essential Businesses;
- xxv. Moving services that facilitate residential or commercial moves that are allowed under this Order; and
- xxvi. Childcare establishments, summer camps, and other educational or recreational institutions or programs providing care or supervision for children of all ages that enable owners, employees, volunteers, and contractors for Essential Businesses, Essential Governmental Functions, Outdoor Businesses, or Minimum Basic Operations to work as allowed under this Order. To the extent possible, these operations must comply with the following conditions:
 - 1. They must be carried out in stable groups of 12 or fewer children ("stable" means that the same 12 or fewer children are in the same group each day).
 - 2. Children shall not change from one group to another.



3. If more than one group of children is at one facility, each group shall be in a separate room. Groups shall not mix with each other.
4. Providers or educators shall remain solely with one group of children.

The Health Officer will carefully monitor the changing public health situation as well as any changes to the State Shelter Order. In the event that the State relaxes restrictions on childcare and related institutions and programs, the Health Officer will consider whether to similarly relax the restrictions imposed by this Order.

- g. For the purposes of this Order, “Minimum Basic Operations” means the following activities for businesses, provided that owners, personnel, and contractors comply with Social Distancing Requirements as defined this Section, to the extent possible, while carrying out such operations:
 - i. The minimum necessary activities to maintain and protect the value of the business’s inventory and facilities; ensure security, safety, and sanitation; process payroll and employee benefits; provide for the delivery of existing inventory directly to residences or businesses; and related functions. For clarity, this section does not permit businesses to provide curbside pickup to customers.
 - ii. The minimum necessary activities to facilitate owners, personnel, and contractors of the business being able to continue to work remotely from their residences, and to ensure that the business can deliver its service remotely.
- h. For the purposes of this Order, all businesses that are operating at facilities in the County visited or used by the public or personnel must, as a condition of such operation, prepare and post a “Social Distancing Protocol” for each of these facilities; provided, however, that construction activities shall instead comply with the Construction Project Safety Protocols set forth in Appendix B and not the Social Distancing Protocol. The Social Distancing Protocol must be substantially in the form attached to this Order as Appendix A, and it must be updated from prior versions to address new requirements listed in this Order or in related guidance or directives from the Health Officer. The Social Distancing Protocol must be posted at or near the entrance of the relevant facility and shall be easily viewable by the public and personnel. A copy of the Social Distancing Protocol must also be provided to each person performing work at the facility. All businesses subject to this paragraph shall implement the Social Distancing Protocol and provide evidence of its implementation to any authority enforcing this Order upon demand. The Social Distancing Protocol must explain how the business is achieving the following, as applicable:



- i. Limiting the number of people who can enter into the facility at any one time to ensure that people in the facility can easily maintain a minimum six-foot distance from one another at all times, except as required to complete Essential Business activity;
 - ii. Requiring face coverings to be worn by all persons entering the facility, other than those exempted from face covering requirements (e.g. young children);
 - iii. Where lines may form at a facility, marking six-foot increments at a minimum, establishing where individuals should stand to maintain adequate social distancing;
 - iv. Providing hand sanitizer, soap and water, or effective disinfectant at or near the entrance of the facility and in other appropriate areas for use by the public and personnel, and in locations where there is high-frequency employee interaction with members of the public (e.g. cashiers);
 - v. Providing for contactless payment systems or, if not feasible to do so, the providing for disinfecting all payment portals, pens, and styluses after each use;
 - vi. Regularly disinfecting other high-touch surfaces;
 - vii. Posting a sign at the entrance of the facility informing all personnel and customers that they should: avoid entering the facility if they have any COVID-19 symptoms; maintain a minimum six-foot distance from one another; sneeze and cough into one's elbow; not shake hands or engage in any unnecessary physical contact; and
 - viii. Any additional social distancing measures being implemented (see the Centers for Disease Control and Prevention's guidance at: <https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-business-response.html>).
- i. For the purposes of this Order, "Essential Travel" means travel for any of the following purposes:
 - i. Travel related to the provision of or access to Essential Activities, Essential Governmental Functions, Essential Businesses, Minimum Basic Operations, Outdoor Activities, and Outdoor Businesses.
 - ii. Travel to care for any elderly, minors, dependents, or persons with disabilities.
 - iii. Travel to or from educational institutions for purposes of receiving materials for distance learning, for receiving meals, and any other related services.



- iv. Travel to return to a place of residence from outside the County.
 - v. Travel required by law enforcement or court order.
 - vi. Travel required for non-residents to return to their place of residence outside the County. Individuals are strongly encouraged to verify that their transportation out of the County remains available and functional prior to commencing such travel.
 - vii. Travel to manage after-death arrangements and burial.
 - viii. Travel to arrange for shelter or avoid homelessness.
 - ix. Travel to avoid domestic violence or child abuse.
 - x. Travel for parental custody arrangements.
 - xi. Travel to a place to temporarily reside in a residence or other facility to avoid potentially exposing others to COVID-19, such as a hotel or other facility provided by a governmental authority for such purposes.
- j. For purposes of this Order, “residences” include hotels, motels, shared rental units, and similar facilities. Residences also include living structures and outdoor spaces associated with those living structures, such as patios, porches, backyards, and front yards that are only accessible to a single family or household unit.
- k. For purposes of this Order, “Social Distancing Requirements” means:
- i. Maintaining at least six-foot social distancing from individuals who are not part of the same household or living unit;
 - ii. Frequently washing hands with soap and water for at least 20 seconds, or using hand sanitizer that is recognized by the Centers for Disease Control and Prevention as effective in combatting COVID-19;
 - iii. Covering coughs and sneezes with a tissue or fabric or, if not possible, into the sleeve or elbow (but not into hands);
 - iv. Wearing a face covering when out in public, consistent with the orders or guidance of the Health Officer; and
 - v. Avoiding all social interaction outside the household when sick with a fever, cough, or other COVID-19 symptoms.

All individuals must strictly comply with Social Distancing Requirements, except to the limited extent necessary to provide care (including childcare, adult or senior care, care to individuals with special needs, and patient care); as necessary to carry out the work of Essential Businesses, Essential Governmental Functions, or provide for Minimum Basic Operations; or as otherwise expressly provided in this



Order. Outdoor Activities and Outdoor Businesses must strictly adhere to these Social Distancing Requirements.

- l. For purposes of this Order, “Outdoor Businesses” means:
 - i. The following businesses that normally operated primarily outdoors prior to March 16, 2020 and where there is the ability to fully maintain social distancing of at least six feet between all persons:
 1. Businesses primarily operated outdoors, such as wholesale and retail plant nurseries, agricultural operations, and garden centers.
 2. Service providers that primarily provide outdoor services, such as landscaping and gardening services, and environmental site remediation services.

For clarity, “Outdoor Businesses” do not include outdoor restaurants, cafes, or bars.

- m. For purposes of this Order, “Outdoor Activities” means:
 - i. To obtain goods, services, or supplies from, or perform work for, an Outdoor Business.
 - ii. To engage in outdoor recreation as permitted in Section 16.a.
17. Government agencies and other entities operating shelters and other facilities that house or provide meals or other necessities of life for individuals experiencing homelessness must take appropriate steps to help ensure compliance with Social Distancing Requirements, including adequate provision of hand sanitizer. Also, individuals experiencing homelessness who are unsheltered and living in encampments should, to the maximum extent feasible, abide by 12 foot by 12 foot distancing for the placement of tents, and government agencies should provide restroom and hand washing facilities for individuals in such encampments as set forth in Centers for Disease Control and Prevention Interim Guidance Responding to Coronavirus 2019 (COVID-19) Among People Experiencing Unsheltered Homelessness (<https://www.cdc.gov/coronavirus/2019-ncov/need-extra-precautions/unsheltered-homelessness.html>).
18. Pursuant to Government Code sections 26602 and 41601 and Health and Safety Code section 101029, the Health Officer requests that the Sheriff and all chiefs of police in the County ensure compliance with and enforce this Order. The violation of any provision of this Order constitutes an imminent threat and menace to public health, constitutes a public nuisance, and is punishable by fine, imprisonment, or both.



19. This Order shall become effective at 11:59 p.m. on May 3, 2020 and will continue to be in effect until 11:59 p.m. on May 31, 2020, or until it is extended, rescinded, superseded, or amended in writing by the Health Officer.
20. Copies of this Order shall promptly be: (1) made available at the County Administration Building at 1221 Oak Street, Oakland, California 94612; (2) posted on the County Public Health Department's website (acphd.org); and (3) provided to any member of the public requesting a copy of this Order.
21. If any provision of this Order or its application to any person or circumstance is held to be invalid, the remainder of the Order, including the application of such part or provision to other persons or circumstances, shall not be affected and shall continue in full force and effect. To this end, the provisions of this Order are severable.

IT IS SO ORDERED:

A handwritten signature in blue ink, appearing to read "Erica Pan".

Dr. Erica Pan
Interim Health Officer of the County of Alameda

Dated: April 29, 2020

Attachments: Appendix A – Social Distancing Protocol
Appendix B1 – Small Construction Project Safety Protocol
Appendix B2 – Large Construction Project Safety Protocol

Appendix A: Social Distancing Protocol (Updated April 29, 2020)

Business name: Click or tap here to enter text.

Facility Address: Click or tap here to enter text.

Approximate gross square footage of space open to the public: Click or tap here to enter text.

Businesses must implement all applicable measures listed below, and be prepared to explain why any measure that is not implemented is inapplicable to the business.

Signage:

☐ Signage at each public entrance of the facility to inform all employees and customers that they should: avoid entering the facility if they have COVID-19 symptoms; maintain a minimum six-foot distance from one another; sneeze and cough into a cloth or tissue or, if not available, into one's elbow; wear face coverings, as appropriate; and not shake hands or engage in any unnecessary physical contact.

☐ Signage posting a copy of the Social Distancing Protocol at each public entrance to the facility.

Measures To Protect Employee Health (check all that apply to the facility):

☐ Everyone who can carry out their work duties from home has been directed to do so.

☐ All employees have been told not to come to work if sick.

☐ Symptom checks are being conducted before employees may enter the work space.

☐ Employees are required to wear face coverings, as appropriate.

☐ All desks or individual work stations are separated by at least six feet.

☐ Break rooms, bathrooms, and other common areas are being disinfected frequently, on the following schedule:

☐ Break rooms:

☐ Bathrooms:

☐ Other (Click or tap here to enter text.): Click or tap here to enter text.

☐ Disinfectant and related supplies are available to all employees at the following location(s): Click or tap here to enter text.

☐ Hand sanitizer effective against COVID-19 is available to all employees at the following location(s): Click or tap here to enter text.

☐ Soap and water are available to all employees at the following location(s): Click or tap here to enter text.

☐ Copies of this Protocol have been distributed to all employees.

☐ Optional—Describe other measures: Click or tap here to enter text.

Measures To Prevent Crowds From Gathering (check all that apply to the facility):

☐ Limit the number of customers in the store at any one time to Click or tap here to enter text., which allows for customers and employees to easily maintain at least six-foot distance from one another at all practicable times.

☐ Post an employee at the door to ensure that the maximum number of customers in the facility set forth above is not exceeded.

Appendix A: Social Distancing Protocol (Updated April 29, 2020)

☐ Placing per-person limits on goods that are selling out quickly to reduce crowds and lines. Explain: [Click or tap here to enter text.](#)

☐ Optional—Describe other measures: [Click or tap here to enter text.](#)

Measures To Keep People At Least Six Feet Apart (check all that apply to the facility)

☐ Placing signs outside the store reminding people to be at least six feet apart, including when in line.

☐ Placing tape or other markings at least six feet apart in customer line areas inside the store and on sidewalks at public entrances with signs directing customers to use the markings to maintain distance.

☐ Separate order areas from delivery areas to prevent customers from gathering.

☐ All employees have been instructed to maintain at least six feet distance from customers and from each other, except employees may momentarily come closer when necessary to accept payment, deliver goods or services, or as otherwise necessary.

☐ Optional—Describe other measures: [Click or tap here to enter text.](#)

Measures To Prevent Unnecessary Contact (check all that apply to the facility):

☐ Preventing people from self-serving any items that are food-related.

☐ Lids for cups and food-bar type items are provided by staff; not to customers to grab.

☐ Bulk-item food bins are not available for customer self-service use.

☐ Not permitting customers to bring their own bags, mugs, or other reusable items from home.

☐ Providing for contactless payment systems or, if not feasible, sanitizing payment systems regularly. Describe: [Click or tap here to enter text.](#)

☐ Optional—Describe other measures (e.g. providing senior-only hours): [Click or tap here to enter text.](#)

Measures To Increase Sanitization (check all that apply to the facility):

☐ Disinfecting wipes that are effective against COVID-19 are available near shopping carts and shopping baskets.

☐ Employee(s) assigned to disinfect carts and baskets regularly.

☐ Hand sanitizer, soap and water, or effective disinfectant is available to the public at or near the entrance of the facility, at checkout counters, and anywhere else where people have direct interactions.

☐ Disinfecting all payment portals, pens, and styluses after each use.

☐ Disinfecting all high-contact surfaces frequently.

☐ Optional—Describe other measures: [Click or tap here to enter text.](#)

* Any additional measures not included here should be listed on separate pages and attached to this document.

You may contact the following person with any questions or comments about this protocol:

Name: [Click or tap here to enter text.](#)

Phone number: [Click or tap here to enter text.](#)

Appendix B-1

Small Construction Project Safety Protocol

1. Any construction project meeting any of the following specifications is subject to this Small Construction Project Safety Protocol (“SCP Protocol”), including public works projects unless otherwise specified by the Health Officer:
 - a. For residential projects, any single-family, multi-family, senior, student, or other residential construction, renovation, or remodel project consisting of 10 units or less. This SCP Protocol does not apply to construction projects where a person is performing construction on their current residence either alone or solely with members of their own household.
 - b. For commercial projects, any construction, renovation, or tenant improvement project consisting of 20,000 square feet of floor area or less.
 - c. For mixed-use projects, any project that meets both of the specifications in subsection 1.a and 1.b.
 - d. All other construction projects not subject to the Large Construction Project Safety Protocol set forth in Appendix B-2.
2. The following restrictions and requirements must be in place at all construction job sites subject to this SCP Protocol:
 - a. Comply with all applicable and current laws and regulations including but not limited to OSHA and Cal-OSHA. If there is any conflict, difference, or discrepancy between or among applicable laws and regulations and/or this SCP Protocol, the stricter standard shall apply.
 - b. Designate a site-specific COVID-19 supervisor or supervisors to enforce this guidance. A designated COVID-19 supervisor must be present on the construction site at all times during construction activities. A COVID-19 supervisor may be an on-site worker who is designated to serve in this role.
 - c. The COVID-19 supervisor must review this SCP Protocol with all workers and visitors to the construction site.
 - d. Establish a daily screening protocol for arriving staff to ensure that potentially infected staff do not enter the construction site. If workers leave the jobsite and return the same day, establish a cleaning and decontamination protocol prior to entry and exit of the jobsite. Post the daily screening protocol at all entrances and exits to the jobsite. More information on screening can be found online at: <https://www.cdc.gov/coronavirus/2019-ncov/community/index.html>.
 - e. Practice social distancing by maintaining a minimum six-foot distance between workers at all times, except as strictly necessary to carry out a task associated with the construction project.

Appendix B-1

- f. Where construction work occurs within an occupied residential unit, separate work areas must be sealed off from the remainder of the unit with physical barriers such as plastic sheeting or closed doors sealed with tape to the extent feasible. If possible, workers must access the work area from an alternative entry/exit door to the entry/exit door used by residents. Available windows and exhaust fans must be used to ventilate the work area. If residents have access to the work area between workdays, the work area must be cleaned and sanitized at the beginning and at the end of workdays. Every effort must be taken to minimize contact between workers and residents, including maintaining a minimum of six feet of social distancing at all times.
- g. Where construction work occurs within common areas of an occupied residential or commercial building or a mixed-use building in use by on-site employees or residents, separate work areas must be sealed off from the rest of the common areas with physical barriers such as plastic sheeting or closed doors sealed with tape to the extent feasible. If possible, workers must access the work area from an alternative building entry/exit door to the building entry/exit door used by residents or other users of the building. Every effort must be taken to minimize contact between worker and building residents and users, including maintaining a minimum of six feet of social distancing at all times.
- h. Prohibit gatherings of any size on the jobsite, including gatherings for breaks or eating, except for meetings regarding compliance with this protocol or as strictly necessary to carry out a task associated with the construction project.
- i. Cal-OSHA requires employers to provide water, which should be provided in single-serve containers. Sharing of any of any food or beverage is strictly prohibited and if sharing is observed, the worker must be sent home for the day.
- j. Provide personal protective equipment (PPE) specifically for use in construction, including gloves, goggles, face shields, and face coverings as appropriate for the activity being performed. At no time may a contractor secure or use medical-grade PPE unless required due to the medical nature of a jobsite. Face coverings must be worn in compliance with Section 5 of the Health Officer's Order No. 20-08, dated April 17, 2020, or any subsequently issued or amended order.
- k. Strictly control "choke points" and "high-risk areas" where workers are unable to maintain six-foot social distancing and prohibit or limit use to ensure that six-foot distance can easily be maintained between individuals.
- l. Minimize interactions and maintain social distancing with all site visitors, including delivery workers, design professional and other project consultants, government agency representatives, including building and fire inspectors, and residents at residential construction sites.
- m. Stagger trades as necessary to reduce density and allow for easy maintenance of minimum six-foot separation.

Appendix B-1

- n. Discourage workers from using others' desks, work tools, and equipment. If more than one worker uses these items, the items must be cleaned and disinfected with disinfectants that are effective against COVID-19 in between use by each new worker. Prohibit sharing of PPE.
- o. If hand washing facilities are not available at the jobsite, place portable wash stations or hand sanitizers that are effective against COVID-19 at entrances to the jobsite and in multiple locations dispersed throughout the jobsite as warranted.
- p. Clean and sanitize any hand washing facilities, portable wash stations, jobsite restroom areas, or other enclosed spaces daily with disinfectants that are effective against COVID-19. Frequently clean and disinfect all high touch areas, including entry and exit areas, high traffic areas, rest rooms, hand washing areas, high touch surfaces, tools, and equipment
- q. Maintain a daily attendance log of all workers and visitors that includes contact information, including name, phone number, address, and email.
- r. Post a notice in an area visible to all workers and visitors instructing workers and visitors to do the following:
 - i. Do not touch your face with unwashed hands or with gloves.
 - ii. Frequently wash your hands with soap and water for at least 20 seconds or use hand sanitizer with at least 60% alcohol.
 - iii. Clean and disinfect frequently touched objects and surfaces such as work stations, keyboards, telephones, handrails, machines, shared tools, elevator control buttons, and doorknobs.
 - iv. Cover your mouth and nose when coughing or sneezing, or cough or sneeze into the crook of your arm at your elbow/sleeve.
 - v. Do not enter the jobsite if you have a fever, cough, or other COVID-19 symptoms. If you feel sick, or have been exposed to anyone who is sick, stay at home.
 - vi. Constantly observe your work distances in relation to other staff. Maintain the recommended minimum six feet at all times when not wearing the necessary PPE for working in close proximity to another person.
 - vii. Do not carpool to and from the jobsite with anyone except members of your own household unit, or as necessary for workers who have no alternative means of transportation.
 - viii. Do not share phones or PPE.

Appendix B-2

Large Construction Project Safety Protocol

1. Any construction project meeting any of the following specifications is subject to this Large Construction Project Safety Protocol (“LCP Protocol”), including public works projects unless otherwise specified by the Health Officer:
 - a. For residential construction projects, any single-family, multi-family, senior, student, or other residential construction, renovation, or remodel project consisting of more than 10 units.
 - b. For commercial construction projects, any construction, renovation, or tenant improvement project consisting of more than 20,000 square feet of floor area.
 - c. For construction of Essential Infrastructure, as defined in section 16.c of the Order, any project that requires five or more workers at the jobsite at any one time.
2. The following restrictions and requirements must be in place at all construction job sites subject to this LCP Protocol:
 - a. Comply with all applicable and current laws and regulations including but not limited to OSHA and Cal-OSHA. If there is any conflict, difference or discrepancy between or among applicable laws and regulations and/or this LCP Protocol, the stricter standard will apply.
 - b. Prepare a new or updated Site-Specific Health and Safety Plan to address COVID-19-related issues, post the Plan on-site at all entrances and exits, and produce a copy of the Plan to County governmental authorities upon request. The Plan must be translated as necessary to ensure that all non-English speaking workers are able to understand the Plan.
 - c. Provide personal protective equipment (PPE) specifically for use in construction, including gloves, goggles, face shields, and face coverings as appropriate for the activity being performed. At no time may a contractor secure or use medical-grade PPE, unless required due to the medical nature of a job site. Face Coverings must be worn in compliance with Section 5 of the Health Officer Order No. 20-08, dated April 17, 2020, or any subsequently issued or amended order.
 - d. Ensure that employees are trained in the use of PPE. Maintain and make available a log of all PPE training provided to employees and monitor all employees to ensure proper use of the PPE.
 - e. Prohibit sharing of PPE.
 - f. Implement social distancing requirements including, at minimum:

Appendix B-2

- i. Stagger stop- and start-times for shift schedules to reduce the quantity of workers at the jobsite at any one time to the extent feasible.
- ii. Stagger trade-specific work to minimize the quantity of workers at the jobsite at any one time.
- iii. Require social distancing by maintaining a minimum six-foot distance between workers at all times, except as strictly necessary to carry out a task associated with the project.
- iv. Prohibit gatherings of any size on the jobsite, except for safety meetings or as strictly necessary to carry out a task associated with the project.
- v. Strictly control “choke points” and “high-risk areas” where workers are unable to maintain minimum six-foot social distancing and prohibit or limit use to ensure that minimum six-foot distancing can easily be maintained between workers.
- vi. Minimize interactions and maintain social distancing with all site visitors, including delivery workers, design professional and other project consultants, government agency representatives, including building and fire inspectors, and residents at residential construction sites.
- vii. Prohibit workers from using others’ phones or desks. Any work tools or equipment that must be used by more than one worker must be cleaned with disinfectants that are effective against COVID-19 before use by a new worker.
- viii. Place wash stations or hand sanitizers that are effective against COVID-19 at entrances to the jobsite and in multiple locations dispersed throughout the jobsite as warranted.
- ix. Maintain a daily attendance log of all workers and visitors that includes contact information, including name, address, phone number, and email.
- x. Post a notice in an area visible to all workers and visitors instructing workers and visitors to do the following:
 1. Do not touch your face with unwashed hands or with gloves.
 2. Frequently wash your hands with soap and water for at least 20 seconds or use hand sanitizer with at least 60% alcohol.
 3. Clean and disinfect frequently touched objects and surfaces such as workstations, keyboards, telephones, handrails, machines, shared tools, elevator control buttons, and doorknobs.
 4. Cover your mouth and nose when coughing or sneezing or cough or sneeze into the crook of your arm at your elbow/sleeve.
 5. Do not enter the jobsite if you have a fever, cough, or other COVID-19 symptoms. If you feel sick, or have been exposed to anyone who is sick, stay at home.
 6. Constantly observe your work distances in relation to other staff. Maintain the recommended minimum six-foot distancing at all times when not wearing the necessary PPE for working in close proximity to another person.
 7. Do not share phones or PPE.
- xi. The notice in section 2.f.x must be translated as necessary to ensure that all non-English speaking workers are able to understand the notice.

Appendix B-2

- g. Implement cleaning and sanitization practices in accordance with the following:
 - i. Frequently clean and sanitize, in accordance with CDC guidelines, all high-traffic and high-touch areas including, at a minimum: meeting areas, jobsite lunch and break areas, entrances and exits to the jobsite, jobsite trailers, hand-washing areas, tools, equipment, jobsite restroom areas, stairs, elevators, and lifts.
 - ii. Establish a cleaning and decontamination protocol prior to entry and exit of the jobsite and post the protocol at entrances and exits of jobsite.
 - iii. Supply all personnel performing cleaning and sanitization with proper PPE to prevent them from contracting COVID-19. Employees must not share PPE.
 - iv. Establish adequate time in the workday to allow for proper cleaning and decontamination including prior to starting at or leaving the jobsite for the day.
- h. Implement a COVID-19 community spread reduction plan as part of the Site-Specific Health and Safety Plan that includes, at minimum, the following restrictions and requirements:
 - i. Prohibit all carpooling to and from the jobsite except by workers living within the same household unit, or as necessary for workers who have no alternative means of transportation.
 - ii. Cal-OSHA requires employers to provide water, which should be provided in single-serve containers. Prohibit any sharing of any food or beverage and if sharing is observed, the worker must be sent home for the day.
 - iii. Prohibit use of microwaves, water coolers, and other similar shared equipment.
- i. Assign a COVID-19 Safety Compliance Officer (SCO) to the jobsite and ensure the SCO's name is posted on the Site-Specific Health and Safety Plan. The SCO must:
 - i. Ensure implementation of all recommended safety and sanitation requirements regarding the COVID-19 virus at the jobsite.
 - ii. Compile daily written verification that each jobsite is compliant with the components of this LCP Protocol. Each written verification form must be copied, stored, and made immediately available upon request by any County official.
 - iii. Establish a daily screening protocol for arriving staff, to ensure that potentially infected staff do not enter the construction site. If workers leave the jobsite and return the same day, establish a cleaning and decontamination protocol prior to entry and exit of the jobsite. Post the daily screening protocol at all entrances and exit to the jobsite. More information on screening can be found online at: <https://www.cdc.gov/coronavirus/2019-ncov/community/index.html>.
 - iv. Conduct daily briefings in person or by teleconference that must cover the following topics:
 - 1. New jobsite rules and pre-job site travel restrictions for the prevention of COVID-19 community spread.
 - 2. Review of sanitation and hygiene procedures.
 - 3. Solicitation of worker feedback on improving safety and sanitation.
 - 4. Coordination of construction site daily cleaning/sanitation requirements.
 - 5. Conveying updated information regarding COVID-19.
 - 6. Emergency protocols in the event of an exposure or suspected exposure to COVID-19.

Appendix B-2

- v. Develop and ensure implementation of a remediation plan to address any non-compliance with this LCP Protocol and post remediation plan at entrance and exit of jobsite during remediation period. The remediation plan must be translated as necessary to ensure that all non-English speaking workers are able to understand the document.
 - vi. The SCO must not permit any construction activity to continue without bringing such activity into compliance with these requirements.
 - vii. Report repeated non-compliance with this LCP Protocol to the appropriate jobsite supervisors and a designated County official.
- j. Assign a COVID-19 Third-Party Jobsite Safety Accountability Supervisor (JSAS) for the jobsite, who at a minimum holds an OSHA-30 certificate and first-aid training within the past two years, who must be trained in the protocols herein and verify compliance, including by visual inspection and random interviews with workers, with this LCP Protocol.
 - i. Within seven calendar days of each jobsite visit, the JSAS must complete a written assessment identifying any failure to comply with this LCP Protocol. The written assessment must be copied, stored, and, upon request by the County, sent to a designated County official.
 - ii. If the JSAS discovers that a jobsite is not in compliance with this LCP Protocol, the JSAS must work with the SCO to develop and implement a remediation plan.
 - iii. The JSAS must coordinate with the SCO to prohibit continuation of any work activity not in compliance with rules stated herein until addressed and the continuing work is compliant.
 - iv. The remediation plan must be sent to a designated County official within five calendar days of the JSAS's discovery of the failure to comply.
- k. In the event of a confirmed case of COVID-19 at any jobsite, the following must take place:
 - i. Immediately remove the infected individual from the jobsite with directions to seek medical care.
 - ii. Each location the infected worker was at must be decontaminated and sanitized by an outside vendor certified in hazmat clean ups, and work in these locations must cease until decontamination and sanitization is complete.
 - iii. The County Public Health Department must be notified immediately and any additional requirements per the County health officials must be completed, including full compliance with any tracing efforts by the County.
- l. Where construction work occurs within an occupied residential unit, any separate work area must be sealed off from the remainder of the unit with physical barriers such as plastic sheeting or closed doors sealed with tape to the extent feasible. If possible, workers must access the work area from an alternative entry/exit door to the entry/exit door used by residents. Available windows and exhaust fans must be used to ventilate the work area. If residents have access to the work area between workdays, the work area must be cleaned and sanitized at the beginning and at the end of workdays. Every effort must be taken to

Appendix B-2

minimize contact between workers and residents, including maintaining a minimum of six feet of social distancing at all times.

- m. Where construction work occurs within common areas of an occupied residential or commercial building or a mixed-use building in use by on-site employees or residents, any separate work area must be sealed off from the rest of the common areas with physical barriers such as plastic sheeting or closed doors sealed with tape to the extent feasible. If possible, workers must access the work area from an alternative building entry/exit door to the building entry/exit door used by residents or other users of the building. Every effort must be taken to minimize contact between worker and building residents and users, including maintaining a minimum of six feet of social distancing at all times.

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



Attachment C – Underground Utility Survey Documentation

EMLCFM 00001X USAN 03/28/21 08:14:56 X106202739-00X NEW NORM POLY LREQ

Ticket: X106202739 Rev: 00X Created: 03/03/21 11:57 User: KAR Chan: CSR

Work Start: 03/11/21 06:00 Legal Start: 03/11/21 06:00 Expires: 03/31/21 23:59
Response required: Y Priority: 2

Excavator Information

Company: RPS GROUP
Co Addr: 1814 FRANKLIN ST STE 505
City : OAKLAND State: CA Zip: 94612
Created By: ALONZO GRANADOS Language: ENGLISH
Office Phone: 415-500-5892 SMS/Cell:
Office Email: ALONZO.granados@rpsgroup.com

Site Contact: CALLER
Site Phone: 415-500-5892 Site SMS/Cell: 415-500-5892
Site Email:

Excavation Area

State: CA County: ALAMEDA Place: HAYWARD
Zip: 94545
Location: Address/Street: 3636 ENTERPRISE AVE
: X/ST1: WHITESELL ST
:
: WORK LOCATED THROUGHOUT ENTIRE PROPERTY

Delineated Method: WHITE PAINT

Work Type: VERTICAL BORING FOR SOIL SAMPLES

Work For : SALEM MEDIA GROUP

Permit: W2021-0151 Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: N Vacuum: N Explosives: N

Lat/Long

Center Generated (NAD83): 37.633802/-122.133101 37.633802/-122.129248
: 37.630652/-122.133101 37.630652/-122.129248

Excavator Provided:

Map link:

https://newtin.usan.org/newtinweb/map_tkt.nap?TRG=C1x0x8p8nBjGZJ1-m

Members:

CTYHAY CITY OF HAYWARD	DARYL	510-881-7932
	For emergencies	510-881-7933
EBDSAN EAST BAY DISCHARGE AUTH.	HOWARD CIN	510-278-5910
	HOWARD CIN	510-362-2501
PACBEL PACIFIC BELL	Damage Prevention	510-645-2929
	Damage Prevention	510-645-2929
PGEHAY PGE DISTR HAYWARD	Doug Cole	510-363-6482
	EMERGENCY	800-743-5000

(C) Copyright 2019 Underground Service Alert of Northern California and Nevada.
All rights reserved

****Covid-19 Coronavirus Utility Response Information****

Please be aware that due to emergency safety precautions around the covid-19 coronavirus some utility owners may experience interruptions in resource availability and therefore may provide a delayed response to tickets at this time. If a utility member intends to not respond to your request they will advise you of this information directly. Please make sure you make every effort to communicate with the utility owners and ensure you receive a positive response to your request before proceeding with your work. Utility members may respond to you by marking the site, sending an email, or contacting you by phone. You should also check the electronic positive response system for information from the utility member for your request. You can check the

responses to your ticket using your ticket number here:
https://usanorth811.herokuapp.com/positive_responses/new . Any further questions about utility member response need to be directed to the utility member(s) themselves at this time.

Legal Start Information:

You cannot begin digging until each facility owner has responded to your request and it has passed the legal start date and time on your request. If you wish to begin sooner than the legal date and time indicated on your ticket, you must contact each facility operator individually to request that they respond sooner. You must begin digging no later than 14 calendar days after your ticket was created. Phone numbers for the relevant facility operators are listed at the bottom of your ticket.

Missing a Response from a Utility Member?:

If the legal start date and time has passed and a facility operator has not marked an underground facility at the dig site, state law requires that you process a No Response notice to your ticket. This can be done online through the E-Ticket program at www.usanorth811.org or by calling 811.

Your Ticket Is Only

Valid for 28 Calendar Days:

Your ticket will automatically expire 28 calendar days after the date of creation. If you need to continue digging beyond that date, state law requires that you renew your ticket before the expiration date. If the utility markings at your site are no longer clearly visible, you must request a re-mark. Re-mark requests must be submitted at least two working days, not counting the day of submission, before the expiration date of your ticket. You can renew or re-mark your ticket online through the E-Ticket program at usanorth811.org or by calling 811.

Maintaining Utility Markings and Requesting Re-Marks at your Worksite:

It is your responsibility to respect and protect the utility markings. If the markings become disturbed and are no longer clearly visible, state law requires that you stop excavation and have the area in which the markings have been disturbed re-marked by the appropriate facility operators. Re-mark requests must be submitted at least two working days, not counting the day of submission, before the expiration date of your ticket. You can submit a re-mark request on your ticket online through the E-Ticket program at usanorth811.org or by calling 811.

What Are Private Lines and How Do I Request Locates for Them?:

Utility members are only responsible to locate facilities that they own and maintain. Any other facilities, commonly called private lines, that were installed by a home builder, contractor, or the homeowner themselves, can be located by a private locator. Common private lines are water lines from the water meter to a home, irrigation or sprinkler lines, gas line feeding a back yard barbeque or fire pit, or an electrical line that powers a detached shed. You can find more information about private locators by visiting usanorth811.org or by searching online for ???private utility locators.???

Non-member Facility Owners:

The vast majority, but not all, owners of underground facilities are members of the USA North 811 nonprofit association of utility owners. Non-member entities include California and Nevada departments of transportation, railroads, military, tribal, and a few other entities. Non-pressurized sewer and drain line owners are also exempt from participating in California. Please review the list of utility owners on your ticket and contact any other affected entities directly.

Tolerance Zone and Hand Digging Requirements:

When digging near underground facilities, state law requires that you use only hand tools to expose lines in conflict with your excavation. Hand tools must be used within 24 inches of the outside edge of all utility markings. You may use vacuum equipment only if indicated on your ticket and with the approval of the facility operator whose line will be exposed.

Damaged, Nicked, Scraped, or Dented an Underground Facility?:

If you discover or cause damage, nicks, scrapes, dents, or any other disturbance to a marked or unmarked underground facility, state law requires that you immediately report the damage to the facility owner. You can contact the facility operator directly using the phone number listed at the bottom of your ticket, or you may contact USA North 811 to process a Damage/Exposed ticket. This can be done online through the E-Ticket program at usanorth811.org or by calling 811. You must also contact 911 if you discover or cause damage to a natural gas line, high-voltage power cable, high-pressure or hazardous materials pipeline, or any other high-priority facility. Make sure to evacuate the area before calling 911.

Delineating or Pre-marking Your Work Site:

State law requires that you mark out the dimensions of your project by delineating or pre-marking with something white, such as spray paint, chalk, flags, or stakes to show the utility companies where you plan to dig before you submit your locate ticket. If you have yet to pre-mark your dig site, please do so as soon as possible. You may start digging after the two working day minimum notice or the starting date and time you provided, whichever is later, has passed and every utility operator that was notified on your ticket has responded by either marking their underground facilities at the dig site, letting you know their facilities are not in conflict with your project, or making other arrangements with you.

Additional Site Information:

When submitting your locate ticket, you should have provided all necessary information about the site including special circumstances such as site access instructions, locked gate information, dogs in the yard or on the property, or any other information that would help assist the locators before arriving to your site. If you forgot to add information like this, you can submit a ticket amendment and add this necessary information to your existing locate ticket. You can submit an amendment online through the E-Ticket program at usanorth811.org or by calling 811.

E-Tickets:

80% of the contractors and excavators submitting tickets today are doing so online through our E-Tickets platform. It not only is saving them time and money, but allows us to keep our 811 phone lines open for damages, emergencies, curious homeowners, and new contractors who need help with the system. With your E-Ticket account you can submit any ticket you have, submit Renew or Re-mark requests, and have access to a stellar team of Web Operations Specialists who are available to help walk you through any questions or issues you might have. For more information on E-Tickets visit usanorth811.org and click the orange [Get Started](#) button on the top right corner of the page.

For More Information:

For more information and safe digging tips please visit usanorth811.org/safety

Alonzo Granados

From: Howard Cin <hcin@ebda.org>
Sent: Wednesday, March 3, 2021 1:32 PM
To: Alonzo Granados
Subject: EBDA Force Main Near Enterprise and Whitesell in Hayward
Attachments: EBDA 60 Inch Force Main Near Enterprise And Whitesell.PNG

CAUTION: This email originated from outside of RPS.

Hello Alonzo,

Per our conversation, please see the attached photo of EBDA's 60-inch force main in the area of Enterprise and Whitesell in Hayward.

Thank you,

Howard Cin
Operations & Maintenance Manager
East Bay Dischargers Authority | 2651 Grant Avenue | San Lorenzo, CA 94580-1841
Office: 1-510-278-5910 | 24/7 Cell: 1-510-362-2501 | Fax: 1-510-278-6547



**EBDA Force Main
Diameter Inches**

- 8
- 42
- 48
- 60
- 72
- 84
- 96

Right Of Way



Alonzo Granados

From: 811-response@pge-811.com
Sent: Tuesday, March 9, 2021 4:38 PM
To: Alonzo Granados
Subject: Job update.

CAUTION: This email originated from outside of RPS.

=====

To: RPS GROUP Attn: CALLER
Voice: 4155005892
Re: PG&E Response to a USA Locate Request

This is a message from Pacific Gas & Electric Company replying to your request to mark our facilities.

=====

Ticket: X106202739
County: ALAMEDA Place: HAYWARD
Address: 3636 ENTERPRISE AVE

PGEHAY:

P G & E has determined that there is no conflict with our facilities at this excavation site. Always review the excavation area for signs of newly installed facilities before excavating. If a PG&E facility is suspected in the excavation that is not identified on the PG&E USA ticket response, please contact 811.

Confirmed no conflict by verifying maps

Confirmed that there are no PG&E assets in delineated area Additional comments: No Pge underground facilities on the property

=====

Please call USA at 8-1-1 if you have questions about white paint or the USA process. If you have a question for PG&E, please call 1-800-743-5000.

=====

This message was generated by an automated system. Please do not reply to this email.



Job Summary

Job Date : 3/9/2021

Customer	RPS Environmental Risk			Phone Number	
Billing Address	City	State	Zip		
1438 Webster St, Suite 302	Oakland	CA	94612		
Job Details					
<div><div>Jobsite Location</div><div>3636 ENTERPRISE AVE</div><div>City</div><div>HAYWARD</div><div>State</div><div>CA</div></div>					
<div><div>WA Number</div><div>251540</div><div>Job Num</div><div></div><div>PO Num</div><div></div></div>					
Lead Technician	EASTON, BRYAN	Phone		Email	bryan.easton@gprsinc.com
Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.					
EQUIPMENT USED					
The following equipment was used on this project:					
<ul style="list-style-type: none">Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.					
Work Performed					
Ground Penetrating Radar Systems performed the following work on this project:					
<u>Underground Utility</u>					
The scope of work included scanning the specified area to locate underground utilities. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted.					
<ul style="list-style-type: none">Clear utilities for seven proposed boringsThe effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 3-4 feet.Non-conductive lines could not be located					
<u>Pictures</u>					



Job Summary

Job Date : 3/9/2021



Utility Limitations

TERMS & CONDITIONS

<http://www.gprsinc.com/termsandconditions.html>

SIGNATURE

Contact Name

Alonzo Granados alonzo.granados@rpsgroup.com



Job Summary

Job Date : 3/9/2021

GPRS

1 866 914 4718 GPRSINC.COM

UTILITY LOCATING

To ensure the overall timely success of your project, utility detection is critical to any construction project where subsurface excavation is planned. If this critical first step is ignored, the risk for injury increases, budget overruns can multiply and your schedule can be delayed.

VIDEO PIPE INSPECTION

Video Pipe Inspection (CCTV) is a service used to inspect underground water, sewer and lateral pipelines. VPI is a great tool for investigating cross-bores, structural faults and damages, and lateral line inspection.

CONCRETE SCANNING

With new build construction and renovation projects, the likelihood of needing to cut or core concrete is high. There is an inherent risk of striking rebar, conduits, and post tension cables during the cutting or coring process. Our industry-leading concrete scanning services can mitigate the risks associated with saw cutting and core drilling concrete slabs.

REPORTS & DRAWINGS

The goal of the GPRS Deliverables Department is to deliver clear and understandable findings with each of our outputs from field markings to field sketches, KMZ files, or CAD drawings that provide 2D site plans or even 3D CAD models. In addition, upon the completion of every project, our customers receive a job summary that includes job scope information, site photos, description of site conditions, equipment used, and notes from the project.



NATIONWIDE SERVICE

With team members located in every major metropolitan area in the U.S., we're just a short drive away from any project. Our footprint allows us to service all of your projects, nationwide.



RAPID RESPONSE

Time is always critical in any construction project. We understand this and have, accordingly, developed and perfected our operations to quickly and efficiently respond to our customers within 24-48 hours, or less.



CONSULTATIVE APPROACH

Our Project Managers are trained to ask questions and provide you with answers. This project-specific consultative approach – a GPRS trademark – helps us hone in on your subsurface issues and ensure we provide valuable problem-solving solutions to keep your job moving.



PROVEN RESULTS

GPRS deploys the best equipment, operated by skilled Project Managers, who know how to solve your subsurface locating issues. Since our inception, GPRS has completed hundreds of thousands of projects in North America. Our accuracy rate on these projects? Over 99%.



The **SIM** Specification standard is the industry-leading, metrics-based guideline for the underground locating and concrete scanning industries. SIM includes these three main elements:



SIMSPEC.ORG

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



Attachment D – Boring Logs



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-1

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0				CH		CLAY, fat, dark gray, very stiff, moist, high plasticity, some fine sand
2	1	100	0.0			
4				CL		CLAY, lean, brown with gray mottling, very stiff, moist, moderate plasticity, some fine sand
6	2	100	0.0			
8						
10	3	100	0.0	CL		CLAY, lean, brown, stiff to very stiff, moist, moderate plasticity, fine sand
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						

Boring

Groundwater



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-2

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0						CLAY, fat, dark gray, very stiff, moist, high plasticity, some fine sand
2	1	100	0.0	CH		
4				CL		CLAY, lean, brown with gray mottling, very stiff, moist, moderate plasticity, some fine sand
6	2	100	0.0			CLAY, lean, brown, very stiff, moist, moderate plasticity, fine sand
8				CL		
10	3	100	0.0			
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						

Boring

Groundwater



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-3

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0						CLAY, fat, dark gray, very stiff, moist, high plasticity, some fine sand
2	1	100	0.0	CH		
4						
6	2	100	0.0	CL		CLAY, lean, brown with gray mottling, very stiff, moist, moderate plasticity, some fine sand
8						
10	3	100	0.0	CL		CLAY, lean, brown, very stiff, moist, moderate plasticity, fine sand
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						

Boring

Groundwater



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-4

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0						CLAY, fat, dark gray, very stiff, moist, moderate plasticity, some fine sand
2	1	100	0.0	CH		
4						
6	2	100	0.0	CL		CLAY, lean, brown with gray mottling, very stiff, moist, moderate plasticity, some fine sand
8						CLAY, lean, brown, very stiff, moist, moderate plasticity, fine to coarse sand
10	3	100	0.0	CL		
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						



Boring

Groundwater



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-5

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0				CH		CLAY, fat, dark gray, very stiff, moist, high plasticity, some fine sand
2	1	100	0.0			
4				CL		CLAY, lean, brown with gray mottling, very stiff, moist, moderate plasticity, some fine sand
6	2	100	0.0			
8						
10	3	100	0.0	CL		CLAY, lean, brown, very stiff, moist, moderate plasticity, fine to coarse sand
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						

Boring

Groundwater



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-6

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0				CH		CLAY, fat, dark gray, very stiff, moist, high plasticity, some fine sand
2	1	100	0.0			
4				CL		CLAY, lean, brown with gray mottling, very stiff, moist, moderate plasticity, some fine sand
6	2	100	0.0			
8						
10	3	100	0.0	CL		CLAY, lean, brown, very stiff, moist, low plasticity, fine sand
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						

Boring

Groundwater



MAKING
COMPLEX
EASY

RPS BORING LOG DSB-7

KFAX/KTRB Transmitter Site
RPS Project #210132

FUNCTION INFORMATION

Date/Time Started : 03/11/21
Date/Time Completed : 03/11/21
Total Depth of Boring : 25 ft bgs
Total Depth of Well : NA

Logged By : AGranados
Drilling Method : GeoProbe
Hole Diameter : 2.25 inch
Drilling Company : ECA
Sampling Method : Split spoon

Depth In Feet	Sample	% Recovery	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0				CH		CLAY, fat, dark gray, very stiff, moist, high plasticity, some fine sand
2	1	100	0.0			
4				CL		CLAY, lean, dark gray, very stiff, moist, moderate plasticity, some fine sand
6	2	100	0.0			
8						
10	3	100	0.0	CL		CLAY, lean, brown, very stiff, moist, low plasticity, fine sand
12						End of Boring 12 Feet Bgs
14						
16						
18						
20						

Boring

Groundwater

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



Attachment E – Laboratory Analytical Reports



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 442306
Report Level: II
Report Date: 03/15/2021

Analytical Report *prepared for:*

Alonzo Granados
RPS
1814 Franklin Street
Ste 505
Oakland, CA 94612

Location: Hayward

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE
Member



Sample Summary

Alonzo Granados
RPS
1814 Franklin Street
Ste 505
Oakland, CA 94612

Lab Job #: 442306
Location: Hayward
Date Received: 03/11/21

Sample ID	Lab ID	Collected	Matrix
DSB-1	442306-001	03/11/21 08:15	Soil
DSB-1	442306-002	03/11/21 08:30	Water
DSB-2	442306-003	03/11/21 09:00	Soil
DSB-2	442306-004	03/11/21 09:15	Water
DSB-3	442306-005	03/11/21 10:30	Soil
DSB-3	442306-006	03/11/21 11:00	Water
DSB-4	442306-007	03/11/21 11:40	Soil
DSB-4	442306-008	03/11/21 12:00	Water
DSB-5	442306-009	03/11/21 12:30	Soil
DSB-5	442306-010	03/11/21 12:40	Water
DSB-6	442306-011	03/11/21 13:05	Soil
DSB-6	442306-012	03/11/21 13:20	Water
DSB-7	442306-013	03/11/21 13:40	Soil
DSB-7	442306-014	03/11/21 13:50	Water

Case Narrative

RPS
1814 Franklin Street
Ste 505
Oakland, CA 94612
Alonzo Granados

Lab Job Number: 442306
Location: Hayward
Date Received: 03/11/21

This data package contains sample and QC results for seven soil samples and seven water samples, requested for the above referenced project on 03/11/21. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Water:

No analytical problems were encountered.

TPH-Purgeables and/or BTXE by GC (EPA 8015B) Soil:

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M) Soil:

Low recovery was observed for diesel C10-C28 in the MSD for batch 263139; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and the low recovery was not associated with any reported results. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:

Methylene chloride was detected above the RL in the method blank for batch 263105; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM) Water:

Low recoveries were observed for dibenz(a,h)anthracene and fluorene in the BS for batch 263123. High RPD was observed for many analytes in the BS/BSD for batch 263123; these analytes were not detected at or above the RL in the associated samples. DSB-5 (lab # 442306-010) and DSB-7 (lab # 442306-014) were diluted due to the dark color of the sample extracts. No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM) Soil:

Low recoveries were observed for many analytes in the MS/MSD for batch 263108; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits. Low surrogate recoveries were observed for terphenyl-d14 in a number of samples. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Soil:

Low recoveries were observed for chromium and antimony in the MS/MSD for batch 263114; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) Filtrate:

High recoveries were observed for arsenic and molybdenum in the MSD of DSB-6 (lab # 442306-012); the LCS was within limits, and the associated RPDs were within limits. No other analytical problems were encountered.

Page 2 of 3
Chain of Custody #

442306

ENTHALPY ANALYTICAL

Formerly Curtis & Tompkins Labs

2323 Fifth Street
Berkeley, CA 94710
Phone (510) 486-0900
Fax (510) 486-0532

Project No: 5636 Fertilizer

Project Name: _____

Report To: _____

Project P. O. No.: _____
Company: _____

EDD Format: ☐ I ☐ II ☐ III ☐ IV Telephone: _____

Turnaround Time: ☐ RUSH _____ ☐ Standard _____ Email: _____

Lab No.	Sample ID.	SAMPLING		MATRIX		# of Containers	CHEMICAL PRESERVATIVE					
		Date Collected	Time Collected	Water	Solid							
	DSB-3	3/11/21	11:10	✓		3	HCl	H2SO4	HNO3	NaOH	None	✓
	DSB-3		11:10	✓		2						
	DSB- 3 4		11:40	✓		2						
	DSB- 4 4		12:00	✓		2						
	DSB- 4 4		12:10	✓		1						
	DSB- 4 4		12:05	✓		3						
	DGB-4		12:07	✓		2						
	DSB-5		12:30	✗		2						
	DSB-5		1240	✗		2						
	DSB-5		1245	✗		1						
	DSB-5		1250	✗		3						
	DSB-5		1255	✗		2						
	DSB-6	✓	1:05	✓		2						

ANALYTICAL REQUEST

TEST NAME	TEST CODE	TEST UNIT	TEST RESULT	TEST STATUS
VARIABLES				
VOL				
PAT _s				
TOT-H-0/MO				
DPM-T				
TPT-B				

Notes:

SAMPLE

RECEIPT

☐ Intact☐ Cold☐ On Ice☐ Ambient

RELINQUISHED BY:

DATE: 3/1/24 TIME: 1605

DATE: 5/11/21 TIME:

DATE: TIME:

RECEIVED BY:

DATE: TIME:

DATE: TIME:

DATE: TIME:

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 442306
Date Received: 3/11/21

Client: Catalyst
Project: _____



Section 2: Shipping info (if applicable)

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package
☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 2 ☐ No (skip Section 3 below)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 3/11/21 By (print) Me (sign) [Signature]

Section 3:

Important: Notify PM if temperature exceeds 6°C or arrive frozen.

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☒ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None

Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☒ B ☐ C

Cooler Temp (°C): #1: 3.1, #2: 4.9, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:

	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable			
Were Method 5035 sampling containers present?			
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:

	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____
☐ HCL lot# _____ added to samples _____ on/at _____
☐ HNO3 lot# _____ added to samples _____ on/at _____
☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in _____ By (print) _____ (sign) _____

Date Labeled _____ By (print) _____ (sign) _____



ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>RPS</u>	Project: <u>Hayward</u>
Date Received: <u>3/12/21</u>	Sampler's Name Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Section 2	
Sample(s) received in a cooler? <input checked="" type="checkbox"/> Yes, How many? <u>2</u> <input type="checkbox"/> No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>3.0</u> #2: <u>4.1</u> #3: _____ #4: _____	
<small>(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)</small>	
Shipping Information: <u>GLS</u>	

Section 3	
Was the cooler packed with: <input checked="" type="checkbox"/> Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Bubble Wrap <input type="checkbox"/> Styrofoam	
<input type="checkbox"/> Paper <input type="checkbox"/> None <input type="checkbox"/> Other _____	
Cooler Temp (°C): #1: <u>0.6</u> #2: <u>1.0</u> #3: _____ #4: _____	

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)		✓	
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	16.15	✓	
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments
Sample containers per sample have different collection time.

Section 6
For discrepancies, how was the Project Manager notified? <input type="checkbox"/> Verbal PM Initials: _____ Date/Time: _____
<input type="checkbox"/> Email (email sent to/on): _____ / _____
Project Manager's response:

Completed By: [Signature] Date: 3/12/21



800-322-5555
www.gls-us.com

Ship From

ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Tracking #: 552570019

PDS



Ship To

ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

ORANGE

COD: \$0.00

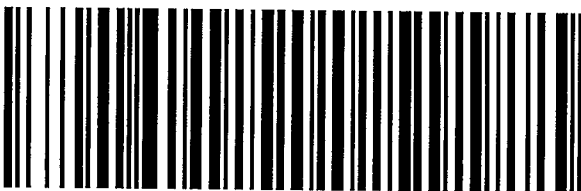
Weight: 0 lb(s)

Reference:

Delivery Instructions:

Signature Type: STANDARD,

S92868A



38099466

ORC CA927-CI0

Print Date: 3/11/2021 5:35 PM

Package 1 of 2

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.

Step 2: Fold this page in half.

Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

0.6 / 3.0



800-322-5555
www.gls-us.com

Ship From

ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Tracking #: 552570020

PDS



Ship To

ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

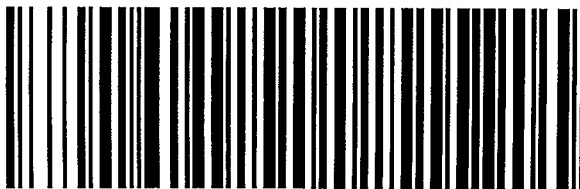
ORANGE

S92868A

COD: \$0.00

Weight: 0 lb(s)

Reference:



Delivery Instructions:

Signature Type: STANDARD

38099467

ORC CA927-CI0

Print Date: 3/11/2021 5:35 PM

Package 2 of 2

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.

Step 2: Fold this page in half.

Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

1.0/4.1

Analysis Results for 442306

Alonzo Granados
RPS
1814 Franklin Street
Ste 505
Oakland, CA 94612

Lab Job #: 442306
Location: Hayward
Date Received: 03/11/21

Sample ID: DSB-1

Lab ID: 442306-001

Collected: 03/11/21 08:15

Matrix: Soil

442306-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.3	1.1	263114	03/12/21	03/12/21	SBW
Arsenic	5.1		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Barium	210		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Beryllium	0.61		mg/Kg	0.54	1.1	263114	03/12/21	03/12/21	SBW
Cadmium	ND		mg/Kg	0.54	1.1	263114	03/12/21	03/12/21	SBW
Chromium	47		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Cobalt	11		mg/Kg	0.54	1.1	263114	03/12/21	03/12/21	SBW
Copper	24		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Lead	7.9		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Nickel	55		mg/Kg	1.1	1.1	263114	03/12/21	03/14/21	SBW
Selenium	ND		mg/Kg	3.3	1.1	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.54	1.1	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	3.3	1.1	263114	03/12/21	03/12/21	SBW
Vanadium	39		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Zinc	48		mg/Kg	5.4	1.1	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates	Limits								
Bromofluorobenzene (FID)	110%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	10	1	263139	03/12/21	03/13/21	MES
ORO C28-C44	ND		mg/Kg	20	1	263139	03/12/21	03/13/21	MES
Surrogates	Limits								
n-Triacontane	102%		%REC	70-130	1	263139	03/12/21	03/13/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Vinyl Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Acetone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263105	03/12/21	03/12/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Surrogates	Limits								
Dibromofluoromethane	91%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane-d4	85%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Toluene-d8	99%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Bromofluorobenzene	115%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW

Surrogates	Limits								
Nitrobenzene-d5	55%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	47%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	40%		%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-1
Lab ID: 442306-002
Collected: 03/11/21 08:30

442306-002 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	220		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	11		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	11		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates			Limits							
Bromofluorobenzene (FID)	103%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	ND		ug/L	100	Water	1	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	300	Water	1	263083	03/12/21	03/13/21	MES
Surrogates			Limits							
n-Triacontane	78%		%REC	35-130	Water	1	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	0.5		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-002 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	0.8		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	9.6		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	1.1		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-002 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates

Limits

Dibromofluoromethane	94%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	98%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	99%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	98%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Fluorene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Chrysene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW

Surrogates

Limits

Nitrobenzene-d5	37%		%REC	16-125	Water	0.94	263123	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	32%		%REC	17-120	Water	0.94	263123	03/12/21	03/12/21	TJW
Terphenyl-d14	46%		%REC	39-123	Water	0.94	263123	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-2
Lab ID: 442306-003
Collected: 03/11/21 09:00
Matrix: Soil

442306-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.0	0.99	263114	03/12/21	03/12/21	SBW
Arsenic	5.7		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Barium	220		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Beryllium	0.67		mg/Kg	0.50	0.99	263114	03/12/21	03/12/21	SBW
Cadmium	0.54		mg/Kg	0.50	0.99	263114	03/12/21	03/12/21	SBW
Chromium	53		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Cobalt	12		mg/Kg	0.50	0.99	263114	03/12/21	03/12/21	SBW
Copper	26		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Lead	8.8		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Nickel	67		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Selenium	ND		mg/Kg	3.0	0.99	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.50	0.99	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	3.0	0.99	263114	03/12/21	03/12/21	SBW
Vanadium	40		mg/Kg	0.99	0.99	263114	03/12/21	03/12/21	SBW
Zinc	54		mg/Kg	5.0	0.99	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates			Limits						
Bromofluorobenzene (FID)	115%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	9.9	0.99	263139	03/12/21	03/13/21	MES
ORO C28-C44	ND		mg/Kg	20	0.99	263139	03/12/21	03/13/21	MES
Surrogates			Limits						
n-Triacontane	106%		%REC	70-130	0.99	263139	03/12/21	03/13/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Acetone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263105	03/12/21	03/12/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Surrogates	Limits								
Dibromofluoromethane	92%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane-d4	86%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Toluene-d8	98%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Bromofluorobenzene	114%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW

Surrogates	Limits								
Nitrobenzene-d5	57%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	49%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	37%		%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-2
Lab ID: 442306-004
Collected: 03/11/21 09:15

442306-004 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	83		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	10		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates	Limits									
Bromofluorobenzene (FID)	103%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	ND		ug/L	94	Water	0.94	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	280	Water	0.94	263083	03/12/21	03/13/21	MES
Surrogates	Limits									
n-Triacontane	97%		%REC	35-130	Water	0.94	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	1.3		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-004 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	1.4		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	25		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	1.4		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-004 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates
Limits

Dibromofluoromethane	94%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	98%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	102%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	102%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Fluorene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Chrysene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/12/21	TJW

Surrogates
Limits

Nitrobenzene-d5	36%		%REC	16-125	Water	0.94	263123	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	33%		%REC	17-120	Water	0.94	263123	03/12/21	03/12/21	TJW
Terphenyl-d14	45%		%REC	39-123	Water	0.94	263123	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-3
Lab ID: 442306-005
Collected: 03/11/21 10:30
Matrix: Soil

442306-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.8	0.93	263114	03/12/21	03/12/21	SBW
Arsenic	4.3		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Barium	190		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Beryllium	0.62		mg/Kg	0.46	0.93	263114	03/12/21	03/12/21	SBW
Cadmium	ND		mg/Kg	0.46	0.93	263114	03/12/21	03/12/21	SBW
Chromium	42		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Cobalt	8.4		mg/Kg	0.46	0.93	263114	03/12/21	03/12/21	SBW
Copper	21		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Lead	7.8		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Nickel	44		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Selenium	ND		mg/Kg	2.8	0.93	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.46	0.93	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	2.8	0.93	263114	03/12/21	03/12/21	SBW
Vanadium	25		mg/Kg	0.93	0.93	263114	03/12/21	03/12/21	SBW
Zinc	44		mg/Kg	4.6	0.93	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates			Limits						
Bromofluorobenzene (FID)	115%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	10	1	263139	03/12/21	03/13/21	MES
ORO C28-C44	ND		mg/Kg	20	1	263139	03/12/21	03/13/21	MES
Surrogates			Limits						
n-Triacontane	106%		%REC	70-130	1	263139	03/12/21	03/13/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Acetone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263105	03/12/21	03/12/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Surrogates	Limits								
Dibromofluoromethane	90%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane-d4	82%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Toluene-d8	100%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Bromofluorobenzene	114%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW

Surrogates	Limits								
Nitrobenzene-d5	54%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	46%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	37%		%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-3
Lab ID: 442306-006
Collected: 03/11/21 11:00

442306-006 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	270		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	15		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	11		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	5.7		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates			Limits							
Bromofluorobenzene (FID)	111%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	ND		ug/L	100	Water	1	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	300	Water	1	263083	03/12/21	03/13/21	MES
Surrogates			Limits							
n-Triacontane	81%		%REC	35-130	Water	1	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	0.6		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-006 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	0.7		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	7.5		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-006 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates

Limits

Dibromofluoromethane	103%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	105%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	98%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	95%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Fluorene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Anthracene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Pyrene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Chrysene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/L	0.63	Water	1.3	263123	03/12/21	03/12/21	TJW

Surrogates

Limits

Nitrobenzene-d5	47%		%REC	16-125	Water	1.3	263123	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	43%		%REC	17-120	Water	1.3	263123	03/12/21	03/12/21	TJW
Terphenyl-d14	57%		%REC	39-123	Water	1.3	263123	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-4
Lab ID: 442306-007
Collected: 03/11/21 11:40
Matrix: Soil

442306-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.1	1	263114	03/12/21	03/12/21	SBW
Arsenic	4.0		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Barium	230		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Beryllium	0.64		mg/Kg	0.52	1	263114	03/12/21	03/12/21	SBW
Cadmium	ND		mg/Kg	0.52	1	263114	03/12/21	03/12/21	SBW
Chromium	48		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Cobalt	10		mg/Kg	0.52	1	263114	03/12/21	03/12/21	SBW
Copper	22		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Lead	9.6		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Nickel	52		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Selenium	ND		mg/Kg	3.1	1	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.52	1	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	3.1	1	263114	03/12/21	03/12/21	SBW
Vanadium	36		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Zinc	48		mg/Kg	5.2	1	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.2	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates			Limits						
Bromofluorobenzene (FID)	115%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	10	1	263139	03/12/21	03/13/21	MES
ORO C28-C44	ND		mg/Kg	20	1	263139	03/12/21	03/13/21	MES
Surrogates			Limits						
n-Triacontane	100%		%REC	70-130	1	263139	03/12/21	03/13/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Acetone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263105	03/12/21	03/12/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263105	03/12/21	03/12/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Analysis Results for 442306

442306-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/12/21	03/12/21	LYZ

Surrogates	Limits								
Dibromofluoromethane	92%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
1,2-Dichloroethane-d4	86%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Toluene-d8	99%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ
Bromofluorobenzene	114%		%REC	70-145	1	263105	03/12/21	03/12/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW

Surrogates	Limits								
Nitrobenzene-d5	43%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	37%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	27%	*	%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-4
Lab ID: 442306-008
Collected: 03/11/21 12:00

442306-008 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	330		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	25		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	12		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	26		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	9.2		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates	Limits									
Bromofluorobenzene (FID)	104%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	ND		ug/L	100	Water	1	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	300	Water	1	263083	03/12/21	03/13/21	MES
Surrogates	Limits									
n-Triacontane	85%		%REC	35-130	Water	1	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-008 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-008 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates

Limits

Dibromofluoromethane	94%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	98%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	102%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	101%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
2-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Naphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Acenaphthylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Acenaphthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Fluorene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Phenanthrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(a)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Chrysene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(b)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(k)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(a)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Dibenz(a,h)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(g,h,i)perylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL

Surrogates

Limits

Nitrobenzene-d5	46%		%REC	16-125	Water	0.94	263123	03/12/21	03/15/21	DJL
2-Fluorobiphenyl	46%		%REC	17-120	Water	0.94	263123	03/12/21	03/15/21	DJL
Terphenyl-d14	49%		%REC	39-123	Water	0.94	263123	03/12/21	03/15/21	DJL

Analysis Results for 442306

Sample ID: DSB-5
Lab ID: 442306-009
Collected: 03/11/21 12:30
Matrix: Soil

442306-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.2	1.1	263114	03/12/21	03/12/21	SBW
Arsenic	3.3		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Barium	150		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Beryllium	0.58		mg/Kg	0.53	1.1	263114	03/12/21	03/12/21	SBW
Cadmium	ND		mg/Kg	0.53	1.1	263114	03/12/21	03/12/21	SBW
Chromium	42		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Cobalt	8.6		mg/Kg	0.53	1.1	263114	03/12/21	03/12/21	SBW
Copper	22		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Lead	7.2		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Nickel	44		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Selenium	ND		mg/Kg	3.2	1.1	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.53	1.1	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	3.2	1.1	263114	03/12/21	03/12/21	SBW
Vanadium	25		mg/Kg	1.1	1.1	263114	03/12/21	03/12/21	SBW
Zinc	46		mg/Kg	5.3	1.1	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates	Limits								
Bromofluorobenzene (FID)	115%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	10	1	263139	03/12/21	03/15/21	MES
ORO C28-C44	ND		mg/Kg	20	1	263139	03/12/21	03/15/21	MES
Surrogates	Limits								
n-Triacontane	108%		%REC	70-130	1	263139	03/12/21	03/15/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Acetone	ND		ug/Kg	100	1	263105	03/13/21	03/13/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ

Analysis Results for 442306

442306-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263105	03/13/21	03/13/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263105	03/13/21	03/13/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ

Analysis Results for 442306

442306-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Surrogates	Limits								
Dibromofluoromethane	93%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichloroethane-d4	87%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ
Toluene-d8	98%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ
Bromofluorobenzene	113%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Surrogates	Limits								
Nitrobenzene-d5	46%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	40%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	27%	*	%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-5
Lab ID: 442306-010
Collected: 03/11/21 12:40

442306-010 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	100		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	22		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	6.5		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates	Limits									
Bromofluorobenzene (FID)	109%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	170		ug/L	94	Water	0.94	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	280	Water	0.94	263083	03/12/21	03/13/21	MES
Surrogates	Limits									
n-Triacontane	90%		%REC	35-130	Water	0.94	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-010 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	0.5		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	6.3		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-010 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates
Limits

Dibromofluoromethane	104%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	104%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	98%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	96%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
2-Methylnaphthalene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Naphthalene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Acenaphthylene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Acenaphthene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Fluorene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Phenanthrene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Anthracene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Fluoranthene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Pyrene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Benzo(a)anthracene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Chrysene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Benzo(b)fluoranthene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Benzo(k)fluoranthene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Benzo(a)pyrene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Indeno(1,2,3-cd)pyrene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Dibenz(a,h)anthracene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL
Benzo(g,h,i)perylene	ND		ug/L	9.4	Water	19	263123	03/12/21	03/15/21	DJL

Surrogates
Limits

Nitrobenzene-d5	38%		%REC	16-125	Water	19	263123	03/12/21	03/15/21	DJL
2-Fluorobiphenyl	39%		%REC	17-120	Water	19	263123	03/12/21	03/15/21	DJL
Terphenyl-d14	43%		%REC	39-123	Water	19	263123	03/12/21	03/15/21	DJL

Analysis Results for 442306

Sample ID: DSB-6
Lab ID: 442306-011
Collected: 03/11/21 13:05
Matrix: Soil

442306-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.8	0.92	263114	03/12/21	03/12/21	SBW
Arsenic	4.0		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Barium	240		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Beryllium	0.61		mg/Kg	0.46	0.92	263114	03/12/21	03/12/21	SBW
Cadmium	ND		mg/Kg	0.46	0.92	263114	03/12/21	03/12/21	SBW
Chromium	48		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Cobalt	7.3		mg/Kg	0.46	0.92	263114	03/12/21	03/12/21	SBW
Copper	25		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Lead	6.6		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Nickel	46		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Selenium	ND		mg/Kg	2.8	0.92	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.46	0.92	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	2.8	0.92	263114	03/12/21	03/12/21	SBW
Vanadium	35		mg/Kg	0.92	0.92	263114	03/12/21	03/12/21	SBW
Zinc	49		mg/Kg	4.6	0.92	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.2	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates			Limits						
Bromofluorobenzene (FID)	115%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	10	1	263139	03/12/21	03/13/21	MES
ORO C28-C44	ND		mg/Kg	20	1	263139	03/12/21	03/13/21	MES
Surrogates			Limits						
n-Triacontane	106%		%REC	70-130	1	263139	03/12/21	03/13/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Acetone	ND		ug/Kg	100	1	263105	03/13/21	03/13/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ

Analysis Results for 442306

442306-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263105	03/13/21	03/13/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263105	03/13/21	03/13/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ

Analysis Results for 442306

442306-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263105	03/13/21	03/13/21	LYZ

Surrogates	Limits								
Dibromofluoromethane	93%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ
1,2-Dichloroethane-d4	86%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ
Toluene-d8	99%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ
Bromofluorobenzene	114%		%REC	70-145	1	263105	03/13/21	03/13/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW

Surrogates	Limits								
Nitrobenzene-d5	42%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	38%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	26%	*	%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-6
Lab ID: 442306-012
Collected: 03/11/21 13:20

442306-012 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	200		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	16		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	13		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	27		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	8.8		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates	Limits									
Bromofluorobenzene (FID)	105%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	ND		ug/L	100	Water	1	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	300	Water	1	263083	03/12/21	03/13/21	MES
Surrogates	Limits									
n-Triacontane	82%		%REC	35-130	Water	1	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	0.7		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-012 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	0.6		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	1.8		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	17		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-012 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates
Limits

Dibromofluoromethane	99%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	99%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	102%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	96%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
2-Methylnaphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Naphthalene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Acenaphthylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Acenaphthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Fluorene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Phenanthrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(a)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Chrysene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(b)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(k)fluoranthene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(a)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Dibenz(a,h)anthracene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL
Benzo(g,h,i)perylene	ND		ug/L	0.47	Water	0.94	263123	03/12/21	03/15/21	DJL

Surrogates
Limits

Nitrobenzene-d5	42%		%REC	16-125	Water	0.94	263123	03/12/21	03/15/21	DJL
2-Fluorobiphenyl	42%		%REC	17-120	Water	0.94	263123	03/12/21	03/15/21	DJL
Terphenyl-d14	45%		%REC	39-123	Water	0.94	263123	03/12/21	03/15/21	DJL

Analysis Results for 442306

Sample ID: DSB-7
Lab ID: 442306-013
Collected: 03/11/21 13:40
Matrix: Soil

442306-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B									
Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	3.1	1	263114	03/12/21	03/12/21	SBW
Arsenic	5.1		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Barium	180		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Beryllium	0.66		mg/Kg	0.52	1	263114	03/12/21	03/12/21	SBW
Cadmium	ND		mg/Kg	0.52	1	263114	03/12/21	03/12/21	SBW
Chromium	49		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Cobalt	13		mg/Kg	0.52	1	263114	03/12/21	03/12/21	SBW
Copper	26		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Lead	8.3		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Molybdenum	ND		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Nickel	59		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Selenium	ND		mg/Kg	3.1	1	263114	03/12/21	03/12/21	SBW
Silver	ND		mg/Kg	0.52	1	263114	03/12/21	03/14/21	SBW
Thallium	ND		mg/Kg	3.1	1	263114	03/12/21	03/12/21	SBW
Vanadium	39		mg/Kg	1.0	1	263114	03/12/21	03/12/21	SBW
Zinc	50		mg/Kg	5.2	1	263114	03/12/21	03/12/21	SBW
Method: EPA 7471A									
Prep Method: METHOD									
Mercury	ND		mg/Kg	0.17	1.2	263149	03/12/21	03/13/21	JDB
Method: EPA 8015B									
Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	263127	03/14/21	03/14/21	EMW
Surrogates	Limits								
Bromofluorobenzene (FID)	110%		%REC	60-140	1	263127	03/14/21	03/14/21	EMW
Method: EPA 8015M									
Prep Method: EPA 3580									
DRO C10-C28	ND		mg/Kg	10	1	263139	03/12/21	03/13/21	MES
ORO C28-C44	ND		mg/Kg	20	1	263139	03/12/21	03/13/21	MES
Surrogates	Limits								
n-Triacontane	98%		%REC	70-130	1	263139	03/12/21	03/13/21	MES
Method: EPA 8260B									
Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Chloromethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Bromomethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Chloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Acetone	ND		ug/Kg	100	1	263215	03/15/21	03/15/21	LYZ
Freon 113	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ

Analysis Results for 442306

442306-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1-Dichloroethene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
MTBE	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
2-Butanone	ND		ug/Kg	100	1	263215	03/15/21	03/15/21	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Chloroform	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Benzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Toluene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	263215	03/15/21	03/15/21	LYZ
o-Xylene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Styrene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Bromoform	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ

Analysis Results for 442306

442306-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
Naphthalene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	263215	03/15/21	03/15/21	LYZ

Surrogates	Limits								
Dibromofluoromethane	101%		%REC	70-145	1	263215	03/15/21	03/15/21	LYZ
1,2-Dichloroethane-d4	103%		%REC	70-145	1	263215	03/15/21	03/15/21	LYZ
Toluene-d8	98%		%REC	70-145	1	263215	03/15/21	03/15/21	LYZ
Bromofluorobenzene	99%		%REC	70-145	1	263215	03/15/21	03/15/21	LYZ

Method: EPA 8270C-SIM

Prep Method: EPA 3546

1-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Naphthalene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Acenaphthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluorene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Phenanthrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Chrysene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	263108	03/12/21	03/12/21	TJW

Surrogates	Limits								
Nitrobenzene-d5	46%		%REC	27-125	1	263108	03/12/21	03/12/21	TJW
2-Fluorobiphenyl	40%		%REC	30-120	1	263108	03/12/21	03/12/21	TJW
Terphenyl-d14	28%	*	%REC	33-155	1	263108	03/12/21	03/12/21	TJW

Analysis Results for 442306

Sample ID: DSB-7
Lab ID: 442306-014
Collected: 03/11/21 13:50

442306-014 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Antimony	ND		ug/L	40	Filtrate	1	263199	03/12/21	03/14/21	SBW
Arsenic	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Barium	150		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Beryllium	ND		ug/L	1.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cadmium	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Chromium	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Cobalt	11		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Copper	26		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Lead	ND		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Molybdenum	19		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Nickel	27		ug/L	10	Filtrate	1	263199	03/12/21	03/14/21	SBW
Selenium	ND		ug/L	30	Filtrate	1	263199	03/12/21	03/14/21	SBW
Silver	ND		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Thallium	ND		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Vanadium	21		ug/L	5.0	Filtrate	1	263199	03/12/21	03/14/21	SBW
Zinc	140		ug/L	50	Filtrate	1	263199	03/12/21	03/14/21	SBW
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	Filtrate	1	263164	03/12/21	03/13/21	JDB
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	Water	1	263202	03/14/21	03/14/21	EMW
Surrogates	Limits									
Bromofluorobenzene (FID)	103%		%REC	60-140	Water	1	263202	03/14/21	03/14/21	EMW
Method: EPA 8015B Prep Method: EPA 3510C										
Diesel C10-C28	ND		ug/L	94	Water	0.94	263083	03/12/21	03/13/21	MES
ORO C28-C44	ND		ug/L	280	Water	0.94	263083	03/12/21	03/13/21	MES
Surrogates	Limits									
n-Triacontane	79%		%REC	35-130	Water	0.94	263083	03/12/21	03/13/21	MES
Method: EPA 8260B Prep Method: EPA 5030B										
Freon 12	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Vinyl Chloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromomethane	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Chloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichlorofluoromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Acetone	ND		ug/L	50	Water	1	263196	03/14/21	03/14/21	ILK
Freon 113	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-014 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/L	10	Water	1	263196	03/14/21	03/14/21	ILK
MTBE	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Butanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chloroform	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Carbon Tetrachloride	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Benzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Trichloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromodichloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromomethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Methyl-2-Pentanone	ND		ug/L	5.0	Water	1	263196	03/14/21	03/14/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,3-Dichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Tetrachloroethene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Dibromochloromethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromoethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Chlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
m,p-Xylenes	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
o-Xylene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Styrene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromoform	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
Propylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichloropropane	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Bromobenzene	ND		ug/L	1.0	Water	1	263196	03/14/21	03/14/21	ILK
1,3,5-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
2-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
4-Chlorotoluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trimethylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
sec-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
para-Isopropyl Toluene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Analysis Results for 442306

442306-014 Analyte	Result	Qual	Units	RL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
n-Butylbenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Hexachlorobutadiene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
Naphthalene	ND		ug/L	2.0	Water	1	263196	03/14/21	03/14/21	ILK
1,2,3-Trichlorobenzene	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Isopropyl Ether (DIPE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	Water	1	263196	03/14/21	03/14/21	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	Water	1	263196	03/14/21	03/14/21	ILK

Surrogates

Limits

Dibromofluoromethane	96%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
1,2-Dichloroethane-d4	100%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Toluene-d8	102%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK
Bromofluorobenzene	100%		%REC	70-140	Water	1	263196	03/14/21	03/14/21	ILK

Method: EPA 8270C-SIM

Prep Method: EPA 3510C

1-Methylnaphthalene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
2-Methylnaphthalene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Naphthalene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Acenaphthylene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Acenaphthene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Fluorene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Phenanthrene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Anthracene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Fluoranthene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Pyrene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Benzo(a)anthracene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Chrysene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Benzo(b)fluoranthene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Benzo(k)fluoranthene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Benzo(a)pyrene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Indeno(1,2,3-cd)pyrene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Dibenz(a,h)anthracene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL
Benzo(g,h,i)perylene	ND		ug/L	2.4	Water	4.7	263123	03/12/21	03/15/21	DJL

Surrogates

Limits

Nitrobenzene-d5	49%		%REC	16-125	Water	4.7	263123	03/12/21	03/15/21	DJL
2-Fluorobiphenyl	47%		%REC	17-120	Water	4.7	263123	03/12/21	03/15/21	DJL
Terphenyl-d14	51%		%REC	39-123	Water	4.7	263123	03/12/21	03/15/21	DJL

* Value is outside QC limits

ND Not Detected

Batch QC

Type: Blank	Lab ID: QC913484	Batch: 263083
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC913484 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Diesel C10-C28	ND		ug/L	100	03/11/21	03/12/21
ORO C28-C44	ND		ug/L	300	03/11/21	03/12/21
Surrogates			Limits			
n-Triacontane	89%		%REC	35-130	03/11/21	03/12/21

Type: Lab Control Sample	Lab ID: QC913485	Batch: 263083
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC913485 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	807.0	1000	ug/L	81%		42-120
Surrogates						
n-Triacontane	19.19	20.00	ug/L	96%		35-130

Type: Lab Control Sample Duplicate	Lab ID: QC913486	Batch: 263083
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 3510C

QC913486 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	880.5	1000	ug/L	88%		42-120	9	36
Surrogates								
n-Triacontane	19.87	20.00	ug/L	99%		35-130		

Batch QC

Type: Blank	Lab ID: QC913527	Batch: 263105
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC913527 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/Kg	5.0	03/12/21	03/12/21
Chloromethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Vinyl Chloride	ND		ug/Kg	5.0	03/12/21	03/12/21
Bromomethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Chloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Trichlorofluoromethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Acetone	ND		ug/Kg	100	03/12/21	03/12/21
Freon 113	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1-Dichloroethene	ND		ug/Kg	5.0	03/12/21	03/12/21
Methylene Chloride	8.3		ug/Kg	5.0	03/12/21	03/12/21
MTBE	ND		ug/Kg	5.0	03/12/21	03/12/21
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1-Dichloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
2-Butanone	ND		ug/Kg	100	03/12/21	03/12/21
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/12/21	03/12/21
2,2-Dichloropropane	ND		ug/Kg	5.0	03/12/21	03/12/21
Chloroform	ND		ug/Kg	5.0	03/12/21	03/12/21
Bromochloromethane	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1-Dichloropropene	ND		ug/Kg	5.0	03/12/21	03/12/21
Carbon Tetrachloride	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2-Dichloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Benzene	ND		ug/Kg	5.0	03/12/21	03/12/21
Trichloroethene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2-Dichloropropane	ND		ug/Kg	5.0	03/12/21	03/12/21
Bromodichloromethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Dibromomethane	ND		ug/Kg	5.0	03/12/21	03/12/21
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	03/12/21	03/12/21
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/12/21	03/12/21
Toluene	ND		ug/Kg	5.0	03/12/21	03/12/21
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
1,3-Dichloropropane	ND		ug/Kg	5.0	03/12/21	03/12/21
Tetrachloroethene	ND		ug/Kg	5.0	03/12/21	03/12/21
Dibromochloromethane	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2-Dibromoethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Chlorobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
Ethylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
m,p-Xylenes	ND		ug/Kg	10	03/12/21	03/12/21
o-Xylene	ND		ug/Kg	5.0	03/12/21	03/12/21
Styrene	ND		ug/Kg	5.0	03/12/21	03/12/21

Batch QC

QC913527 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ug/Kg	5.0	03/12/21	03/12/21
Isopropylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/12/21	03/12/21
Propylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
Bromobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
2-Chlorotoluene	ND		ug/Kg	5.0	03/12/21	03/12/21
4-Chlorotoluene	ND		ug/Kg	5.0	03/12/21	03/12/21
tert-Butylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
sec-Butylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
n-Butylbenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
Hexachlorobutadiene	ND		ug/Kg	5.0	03/12/21	03/12/21
Naphthalene	ND		ug/Kg	5.0	03/12/21	03/12/21
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/12/21	03/12/21
Surrogates	Limits					
Dibromofluoromethane	96%		%REC	70-130	03/12/21	03/12/21
1,2-Dichloroethane-d4	90%		%REC	70-145	03/12/21	03/12/21
Toluene-d8	99%		%REC	70-145	03/12/21	03/12/21
Bromofluorobenzene	106%		%REC	70-145	03/12/21	03/12/21

Type: Lab Control Sample
Matrix: Soil

Lab ID: QC913528
Method: EPA 8260B

Batch: 263105
Prep Method: EPA 5030B

QC913528 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.99	50.00	ug/Kg	110%		70-131
MTBE	59.01	50.00	ug/Kg	118%		69-130
Benzene	61.59	50.00	ug/Kg	123%		70-130
Trichloroethene	62.62	50.00	ug/Kg	125%		70-130
Toluene	57.87	50.00	ug/Kg	116%		70-130
Chlorobenzene	56.27	50.00	ug/Kg	113%		70-130
Surrogates						
Dibromofluoromethane	49.59	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	44.09	50.00	ug/Kg	88%		70-145
Toluene-d8	49.42	50.00	ug/Kg	99%		70-145
Bromofluorobenzene	53.94	50.00	ug/Kg	108%		70-145

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC913529	Batch: 263105
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC913529 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.58	50.00	ug/Kg	95%		70-131	14	33
MTBE	49.57	50.00	ug/Kg	99%		69-130	17	30
Benzene	54.62	50.00	ug/Kg	109%		70-130	12	30
Trichloroethene	56.66	50.00	ug/Kg	113%		70-130	10	30
Toluene	51.25	50.00	ug/Kg	102%		70-130	12	30
Chlorobenzene	49.83	50.00	ug/Kg	100%		70-130	12	30
Surrogates								
Dibromofluoromethane	49.38	50.00	ug/Kg	99%		70-130		
1,2-Dichloroethane-d4	42.81	50.00	ug/Kg	86%		70-145		
Toluene-d8	49.06	50.00	ug/Kg	98%		70-145		
Bromofluorobenzene	54.63	50.00	ug/Kg	109%		70-145		

Type: Blank	Lab ID: QC913538	Batch: 263108
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC913538 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	03/12/21	03/12/21
2-Methylnaphthalene	ND		ug/Kg	10	03/12/21	03/12/21
Naphthalene	ND		ug/Kg	10	03/12/21	03/12/21
Acenaphthylene	ND		ug/Kg	10	03/12/21	03/12/21
Acenaphthene	ND		ug/Kg	10	03/12/21	03/12/21
Fluorene	ND		ug/Kg	10	03/12/21	03/12/21
Phenanthrene	ND		ug/Kg	10	03/12/21	03/12/21
Anthracene	ND		ug/Kg	10	03/12/21	03/12/21
Fluoranthene	ND		ug/Kg	10	03/12/21	03/12/21
Pyrene	ND		ug/Kg	10	03/12/21	03/12/21
Benzo(a)anthracene	ND		ug/Kg	10	03/12/21	03/12/21
Chrysene	ND		ug/Kg	10	03/12/21	03/12/21
Benzo(b)fluoranthene	ND		ug/Kg	10	03/12/21	03/12/21
Benzo(k)fluoranthene	ND		ug/Kg	10	03/12/21	03/12/21
Benzo(a)pyrene	ND		ug/Kg	10	03/12/21	03/12/21
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	03/12/21	03/12/21
Dibenz(a,h)anthracene	ND		ug/Kg	10	03/12/21	03/12/21
Benzo(g,h,i)perylene	ND		ug/Kg	10	03/12/21	03/12/21
Surrogates				Limits		
Nitrobenzene-d5	61%		%REC	27-125	03/12/21	03/12/21
2-Fluorobiphenyl	61%		%REC	30-120	03/12/21	03/12/21
Terphenyl-d14	52%		%REC	33-155	03/12/21	03/12/21

Batch QC

Type: Lab Control Sample	Lab ID: QC913539	Batch: 263108
Matrix: Soil	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC913539 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	21.35	50.00	ug/Kg	43%		28-130
2-Methylnaphthalene	22.64	50.00	ug/Kg	45%		33-130
Naphthalene	21.43	50.00	ug/Kg	43%		25-130
Acenaphthylene	21.83	50.00	ug/Kg	44%		28-130
Acenaphthene	20.41	50.00	ug/Kg	41%		32-130
Fluorene	20.96	50.00	ug/Kg	42%		35-130
Phenanthrene	23.00	50.00	ug/Kg	46%		35-132
Anthracene	21.84	50.00	ug/Kg	44%		34-136
Fluoranthene	22.74	50.00	ug/Kg	45%		34-139
Pyrene	21.53	50.00	ug/Kg	43%		35-134
Benzo(a)anthracene	24.88	50.00	ug/Kg	50%		30-132
Chrysene	24.25	50.00	ug/Kg	49%		29-130
Benzo(b)fluoranthene	23.88	50.00	ug/Kg	48%		32-137
Benzo(k)fluoranthene	25.50	50.00	ug/Kg	51%		32-130
Benzo(a)pyrene	18.76	50.00	ug/Kg	38%		10-138
Indeno(1,2,3-cd)pyrene	21.62	50.00	ug/Kg	43%		34-132
Dibenz(a,h)anthracene	22.30	50.00	ug/Kg	45%		32-130
Benzo(g,h,i)perylene	21.20	50.00	ug/Kg	42%		27-130
Surrogates						
Nitrobenzene-d5	23.52	50.00	ug/Kg	47%		27-125
2-Fluorobiphenyl	21.43	50.00	ug/Kg	43%		30-120
Terphenyl-d14	20.97	50.00	ug/Kg	42%		33-155

Batch QC

Type: Matrix Spike	Lab ID: QC913540	Batch: 263108
Matrix (Source ID): Soil (442307-001)	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC913540 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	21.30	ND	50.00	ug/Kg	43%		25-130	10
2-Methylnaphthalene	21.65	ND	50.00	ug/Kg	0%	*	32-133	10
Naphthalene	22.05	ND	50.00	ug/Kg	0%	*	33-130	10
Acenaphthylene	21.20	ND	50.00	ug/Kg	0%	*	14-157	10
Acenaphthene	22.16	ND	50.00	ug/Kg	0%	*	28-134	10
Fluorene	22.01	ND	50.00	ug/Kg	44%		27-140	10
Phenanthrene	25.27	ND	50.00	ug/Kg	0%	*	29-147	10
Anthracene	23.30	ND	50.00	ug/Kg	0%	*	24-156	10
Fluoranthene	23.00	ND	50.00	ug/Kg	0%	*	28-160	10
Pyrene	21.81	ND	50.00	ug/Kg	44%		26-153	10
Benzo(a)anthracene	24.62	ND	50.00	ug/Kg	0%	*	26-174	10
Chrysene	25.24	ND	50.00	ug/Kg	0%	*	40-139	10
Benzo(b)fluoranthene	22.08	ND	50.00	ug/Kg	0%	*	36-164	10
Benzo(k)fluoranthene	20.30	ND	50.00	ug/Kg	0%	*	36-161	10
Benzo(a)pyrene	21.49	ND	50.00	ug/Kg	0%	*	18-173	10
Indeno(1,2,3-cd)pyrene	20.30	ND	50.00	ug/Kg	0%	*	26-154	10
Dibenz(a,h)anthracene	16.06	ND	50.00	ug/Kg	0%	*	38-132	10
Benzo(g,h,i)perylene	24.03	ND	50.00	ug/Kg	0%	*	36-130	10
Surrogates								
Nitrobenzene-d5	21.52		50.00	ug/Kg	43%		27-125	10
2-Fluorobiphenyl	21.76		50.00	ug/Kg	44%		30-120	10
Terphenyl-d14	22.46		50.00	ug/Kg	45%		33-155	10

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC913541	Batch: 263108
Matrix (Source ID): Soil (442307-001)	Method: EPA 8270C-SIM	Prep Method: EPA 3546

QC913541 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	22.05	ND	50.00	ug/Kg	44%		25-130	3	35	10
2-Methylnaphthalene	23.48	ND	50.00	ug/Kg	0%	*	32-133	8	35	10
Naphthalene	23.14	ND	50.00	ug/Kg	0%	*	33-130	5	35	10
Acenaphthylene	21.76	ND	50.00	ug/Kg	0%	*	14-157	3	35	10
Acenaphthene	22.79	ND	50.00	ug/Kg	0%	*	28-134	3	35	10
Fluorene	22.79	ND	50.00	ug/Kg	46%		27-140	3	35	10
Phenanthrene	25.78	ND	50.00	ug/Kg	0%	*	29-147	2	35	10
Anthracene	23.56	ND	50.00	ug/Kg	0%	*	24-156	1	35	10
Fluoranthene	23.06	ND	50.00	ug/Kg	0%	*	28-160	0	35	10
Pyrene	22.49	ND	50.00	ug/Kg	45%		26-153	3	35	10
Benzo(a)anthracene	25.43	ND	50.00	ug/Kg	0%	*	26-174	3	35	10
Chrysene	26.62	ND	50.00	ug/Kg	0%	*	40-139	5	35	10
Benzo(b)fluoranthene	23.49	ND	50.00	ug/Kg	0%	*	36-164	6	35	10
Benzo(k)fluoranthene	22.77	ND	50.00	ug/Kg	0%	*	36-161	11	35	10
Benzo(a)pyrene	22.15	ND	50.00	ug/Kg	0%	*	18-173	3	35	10
Indeno(1,2,3-cd)pyrene	20.61	ND	50.00	ug/Kg	0%	*	26-154	2	35	10
Dibenz(a,h)anthracene	19.66	ND	50.00	ug/Kg	0%	*	38-132	20	35	10
Benzo(g,h,i)perylene	25.40	ND	50.00	ug/Kg	0%	*	36-130	6	35	10
Surrogates										
Nitrobenzene-d5	22.93		50.00	ug/Kg	46%		27-125			10
2-Fluorobiphenyl	23.42		50.00	ug/Kg	47%		30-120			10
Terphenyl-d14	22.95		50.00	ug/Kg	46%		33-155			10

Batch QC

Type: Blank	Lab ID: QC913554	Batch: 263114
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC913554 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	03/12/21	03/12/21
Arsenic	ND		mg/Kg	1.0	03/12/21	03/12/21
Barium	ND		mg/Kg	1.0	03/12/21	03/12/21
Beryllium	ND		mg/Kg	0.50	03/12/21	03/12/21
Cadmium	ND		mg/Kg	0.50	03/12/21	03/12/21
Chromium	ND		mg/Kg	1.0	03/12/21	03/12/21
Cobalt	ND		mg/Kg	0.50	03/12/21	03/12/21
Copper	ND		mg/Kg	1.0	03/12/21	03/12/21
Lead	ND		mg/Kg	1.0	03/12/21	03/12/21
Molybdenum	ND		mg/Kg	1.0	03/12/21	03/12/21
Nickel	ND		mg/Kg	1.0	03/12/21	03/14/21
Selenium	ND		mg/Kg	3.0	03/12/21	03/12/21
Silver	ND		mg/Kg	0.50	03/12/21	03/14/21
Thallium	ND		mg/Kg	3.0	03/12/21	03/12/21
Vanadium	ND		mg/Kg	1.0	03/12/21	03/12/21
Zinc	ND		mg/Kg	5.0	03/12/21	03/12/21

Type: Lab Control Sample	Lab ID: QC913555	Batch: 263114
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC913555 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	89.13	100.0	mg/Kg	89%		80-120
Arsenic	98.31	100.0	mg/Kg	98%		80-120
Barium	106.3	100.0	mg/Kg	106%		80-120
Beryllium	95.26	100.0	mg/Kg	95%		80-120
Cadmium	104.2	100.0	mg/Kg	104%		80-120
Chromium	100.4	100.0	mg/Kg	100%		80-120
Cobalt	103.2	100.0	mg/Kg	103%		80-120
Copper	104.2	100.0	mg/Kg	104%		80-120
Lead	104.6	100.0	mg/Kg	105%		80-120
Molybdenum	100.8	100.0	mg/Kg	101%		80-120
Nickel	110.5	100.0	mg/Kg	110%		80-120
Selenium	93.61	100.0	mg/Kg	94%		80-120
Silver	100.4	100.0	mg/Kg	100%		80-120
Thallium	104.5	100.0	mg/Kg	105%		80-120
Vanadium	104.0	100.0	mg/Kg	104%		80-120
Zinc	108.5	100.0	mg/Kg	109%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC913556	Batch: 263114
Matrix (Source ID): Soil (442225-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC913556 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	26.55	4.565	93.46	mg/Kg	24%	*	75-125	0.93
Arsenic	90.28	5.380	93.46	mg/Kg	91%		75-125	0.93
Barium	175.0	89.32	93.46	mg/Kg	92%		75-125	0.93
Beryllium	88.40	0.2685	93.46	mg/Kg	94%		75-125	0.93
Cadmium	83.75	0.4074	93.46	mg/Kg	89%		75-125	0.93
Chromium	97.29	36.17	93.46	mg/Kg	65%	*	75-125	0.93
Cobalt	89.34	6.667	93.46	mg/Kg	88%		75-125	0.93
Copper	104.8	28.89	93.46	mg/Kg	81%		75-125	0.93
Lead	98.60	17.28	93.46	mg/Kg	87%		75-125	0.93
Molybdenum	81.43	1.549	93.46	mg/Kg	85%		75-125	0.93
Nickel	108.8	21.89	93.46	mg/Kg	93%		75-125	0.93
Selenium	83.43	ND	93.46	mg/Kg	89%		75-125	0.93
Silver	92.23	ND	93.46	mg/Kg	99%		75-125	0.93
Thallium	81.45	1.315	93.46	mg/Kg	86%		75-125	0.93
Vanadium	115.3	28.66	93.46	mg/Kg	93%		75-125	0.93
Zinc	148.1	75.87	93.46	mg/Kg	77%		75-125	0.93

Type: Matrix Spike Duplicate	Lab ID: QC913557	Batch: 263114
Matrix (Source ID): Soil (442225-001)	Method: EPA 6010B	Prep Method: EPA 3050B

QC913557 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Antimony	26.16	4.565	94.34	mg/Kg	23%	*	75-125	2	41	0.94
Arsenic	90.86	5.380	94.34	mg/Kg	91%		75-125	0	35	0.94
Barium	188.6	89.32	94.34	mg/Kg	105%		75-125	7	20	0.94
Beryllium	85.78	0.2685	94.34	mg/Kg	91%		75-125	4	20	0.94
Cadmium	86.75	0.4074	94.34	mg/Kg	92%		75-125	3	20	0.94
Chromium	97.45	36.17	94.34	mg/Kg	65%	*	75-125	1	20	0.94
Cobalt	88.24	6.667	94.34	mg/Kg	86%		75-125	2	20	0.94
Copper	102.4	28.89	94.34	mg/Kg	78%		75-125	3	20	0.94
Lead	97.55	17.28	94.34	mg/Kg	85%		75-125	2	20	0.94
Molybdenum	80.64	1.549	94.34	mg/Kg	84%		75-125	2	20	0.94
Nickel	104.4	21.89	94.34	mg/Kg	88%		75-125	5	20	0.94
Selenium	83.60	ND	94.34	mg/Kg	89%		75-125	1	20	0.94
Silver	88.05	ND	94.34	mg/Kg	93%		75-125	6	20	0.94
Thallium	80.20	1.315	94.34	mg/Kg	84%		75-125	2	20	0.94
Vanadium	115.8	28.66	94.34	mg/Kg	92%		75-125	0	20	0.94
Zinc	167.3	75.87	94.34	mg/Kg	97%		75-125	12	20	0.94

Batch QC

Type: Blank	Lab ID: QC913583	Batch: 263123
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC913583 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.47	03/12/21	03/12/21
2-Methylnaphthalene	ND		ug/L	0.47	03/12/21	03/12/21
Naphthalene	ND		ug/L	0.47	03/12/21	03/12/21
Acenaphthylene	ND		ug/L	0.47	03/12/21	03/12/21
Acenaphthene	ND		ug/L	0.47	03/12/21	03/12/21
Fluorene	ND		ug/L	0.47	03/12/21	03/12/21
Phenanthrene	ND		ug/L	0.47	03/12/21	03/12/21
Anthracene	ND		ug/L	0.47	03/12/21	03/12/21
Fluoranthene	ND		ug/L	0.47	03/12/21	03/12/21
Pyrene	ND		ug/L	0.47	03/12/21	03/12/21
Benzo(a)anthracene	ND		ug/L	0.47	03/12/21	03/12/21
Chrysene	ND		ug/L	0.47	03/12/21	03/12/21
Benzo(b)fluoranthene	ND		ug/L	0.47	03/12/21	03/12/21
Benzo(k)fluoranthene	ND		ug/L	0.47	03/12/21	03/12/21
Benzo(a)pyrene	ND		ug/L	0.47	03/12/21	03/12/21
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	03/12/21	03/12/21
Dibenz(a,h)anthracene	ND		ug/L	0.47	03/12/21	03/12/21
Benzo(g,h,i)perylene	ND		ug/L	0.47	03/12/21	03/12/21
Surrogates	Limits					
Nitrobenzene-d5	54%		%REC	16-125	03/12/21	03/12/21
2-Fluorobiphenyl	52%		%REC	17-120	03/12/21	03/12/21
Terphenyl-d14	53%		%REC	39-123	03/12/21	03/12/21

Batch QC

Type: Lab Control Sample	Lab ID: QC913584	Batch: 263123
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC913584 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	0.3761	0.9434	ug/L	40%		23-120
2-Methylnaphthalene	0.3921	0.9434	ug/L	42%		33-120
Naphthalene	0.3918	0.9434	ug/L	42%		38-120
Acenaphthylene	0.3905	0.9434	ug/L	41%		37-120
Acenaphthene	0.3816	0.9434	ug/L	40%		39-120
Fluorene	0.4004	0.9434	ug/L	42%	*	43-120
Phenanthrene	0.4739	0.9434	ug/L	50%		42-120
Anthracene	0.4398	0.9434	ug/L	47%		42-120
Fluoranthene	0.4580	0.9434	ug/L	49%		48-120
Pyrene	0.4402	0.9434	ug/L	47%		44-120
Benzo(a)anthracene	0.5049	0.9434	ug/L	54%		51-126
Chrysene	0.5198	0.9434	ug/L	55%		47-120
Benzo(b)fluoranthene	0.4964	0.9434	ug/L	53%		44-127
Benzo(k)fluoranthene	0.4975	0.9434	ug/L	53%		43-127
Benzo(a)pyrene	0.4272	0.9434	ug/L	45%		29-124
Indeno(1,2,3-cd)pyrene	0.4692	0.9434	ug/L	50%		44-127
Dibenz(a,h)anthracene	0.4742	0.9434	ug/L	50%	*	55-120
Benzo(g,h,i)perylene	0.5127	0.9434	ug/L	54%		46-120
Surrogates						
Nitrobenzene-d5	0.4079	0.9434	ug/L	43%		16-125
2-Fluorobiphenyl	0.3762	0.9434	ug/L	40%		17-120
Terphenyl-d14	0.4180	0.9434	ug/L	44%		39-123

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC913585	Batch: 263123
Matrix: Water	Method: EPA 8270C-SIM	Prep Method: EPA 3510C

QC913585 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	0.4911	0.9434	ug/L	52%		23-120	27*	20
2-Methylnaphthalene	0.5208	0.9434	ug/L	55%		33-120	28*	20
Naphthalene	0.5225	0.9434	ug/L	55%		38-120	29*	20
Acenaphthylene	0.5275	0.9434	ug/L	56%		37-120	30*	20
Acenaphthene	0.4990	0.9434	ug/L	53%		39-120	27*	20
Fluorene	0.5318	0.9434	ug/L	56%		43-120	28*	20
Phenanthrene	0.5961	0.9434	ug/L	63%		42-120	23*	20
Anthracene	0.5732	0.9434	ug/L	61%		42-120	26*	20
Fluoranthene	0.5656	0.9434	ug/L	60%		48-120	21*	20
Pyrene	0.5408	0.9434	ug/L	57%		44-120	21*	20
Benzo(a)anthracene	0.6173	0.9434	ug/L	65%		51-126	20	20
Chrysene	0.6380	0.9434	ug/L	68%		47-120	20	20
Benzo(b)fluoranthene	0.5862	0.9434	ug/L	62%		44-127	17	20
Benzo(k)fluoranthene	0.6156	0.9434	ug/L	65%		43-127	21*	20
Benzo(a)pyrene	0.5324	0.9434	ug/L	56%		29-124	22*	20
Indeno(1,2,3-cd)pyrene	0.5575	0.9434	ug/L	59%		44-127	17	20
Dibenz(a,h)anthracene	0.5826	0.9434	ug/L	62%		55-120	21*	20
Benzo(g,h,i)perylene	0.6145	0.9434	ug/L	65%		46-120	18	20
Surrogates								
Nitrobenzene-d5	0.5308	0.9434	ug/L	56%		16-125		
2-Fluorobiphenyl	0.5114	0.9434	ug/L	54%		17-120		
Terphenyl-d14	0.5111	0.9434	ug/L	54%		39-123		

Type: Lab Control Sample	Lab ID: QC913845	Batch: 263127
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC913845 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.622	5.000	mg/Kg	112%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2600	0.2000	mg/Kg	130%		60-140

Type: Matrix Spike	Lab ID: QC913846	Batch: 263127
Matrix (Source ID): Soil (441979-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC913846 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	5.553	ND	5.000	mg/Kg	111%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	0.2600		0.2000	mg/Kg	130%		60-140	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC913847	Batch: 263127
Matrix (Source ID): Soil (441979-001)	Method: EPA 8015B	Prep Method: EPA 5030B

QC913847 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	5.493	ND	5.000	mg/Kg	110%		70-130	1	20	1
Surrogates										
Bromofluorobenzene (FID)	0.2600		0.2000	mg/Kg	130%		60-140			1

Type: Blank	Lab ID: QC913848	Batch: 263127
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC913848 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	03/14/21	03/14/21
Surrogates				Limits		
Bromofluorobenzene (FID)	115%		%REC	60-140	03/14/21	03/14/21

Type: Blank	Lab ID: QC913641	Batch: 263139
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580

QC913641 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	10	03/12/21	03/15/21
ORO C28-C44	ND		mg/Kg	20	03/12/21	03/15/21
Surrogates				Limits		
n-Triacontane	107%		%REC	70-130	03/12/21	03/15/21

Type: Lab Control Sample	Lab ID: QC913642	Batch: 263139
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580

QC913642 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	225.4	248.8	mg/Kg	91%		76-122
Surrogates						
n-Triacontane	9.821	9.950	mg/Kg	99%		70-130

Type: Matrix Spike	Lab ID: QC913643	Batch: 263139
Matrix (Source ID): Soil (442291-011)	Method: EPA 8015M	Prep Method: EPA 3580

QC913643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	230.8	60.33	248.8	mg/Kg	69%		62-126	1
Surrogates								
n-Triacontane	10.40		9.950	mg/Kg	105%		70-130	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC913644	Batch: 263139
Matrix (Source ID): Soil (442291-011)	Method: EPA 8015M	Prep Method: EPA 3580

QC913644 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	202.2	60.33	248.8	mg/Kg	57%	*	62-126	13	35	1
Surrogates										
n-Triacontane	9.135		9.950	mg/Kg	92%		70-130			1

Type: Blank	Lab ID: QC913676	Batch: 263149
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC913676 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	03/12/21	03/13/21

Type: Lab Control Sample	Lab ID: QC913677	Batch: 263149
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC913677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8357	0.8333	mg/Kg	100%		80-120

Type: Matrix Spike	Lab ID: QC913678	Batch: 263149
Matrix (Source ID): Soil (442225-001)	Method: EPA 7471A	Prep Method: METHOD

QC913678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9063	ND	0.8929	mg/Kg	102%		75-125	1.1

Type: Matrix Spike Duplicate	Lab ID: QC913679	Batch: 263149
Matrix (Source ID): Soil (442225-001)	Method: EPA 7471A	Prep Method: METHOD

QC913679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8823	ND	0.8929	mg/Kg	99%		75-125	3	20	1.1

Type: Blank	Lab ID: QC913729	Batch: 263164
Matrix: Filtrate	Method: EPA 7470A	Prep Method: METHOD

QC913729 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	03/12/21	03/13/21

Batch QC

Type: Lab Control Sample	Lab ID: QC913730	Batch: 263164
Matrix: Filtrate	Method: EPA 7470A	Prep Method: METHOD

QC913730 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.941	5.000	ug/L	99%		80-120

Type: Lab Control Sample Duplicate	Lab ID: QC913731	Batch: 263164
Matrix: Filtrate	Method: EPA 7470A	Prep Method: METHOD

QC913731 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim
Mercury	4.860	5.000	ug/L	97%		80-120	2	20

Batch QC

Type: Blank	Lab ID: QC913823	Batch: 263196
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC913823 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/L	0.5	03/14/21	03/14/21
Chloromethane	ND		ug/L	0.5	03/14/21	03/14/21
Vinyl Chloride	ND		ug/L	0.5	03/14/21	03/14/21
Bromomethane	ND		ug/L	1.0	03/14/21	03/14/21
Chloroethane	ND		ug/L	0.5	03/14/21	03/14/21
Trichlorofluoromethane	ND		ug/L	0.5	03/14/21	03/14/21
Acetone	ND		ug/L	50	03/14/21	03/14/21
Freon 113	ND		ug/L	0.5	03/14/21	03/14/21
1,1-Dichloroethene	ND		ug/L	0.5	03/14/21	03/14/21
Methylene Chloride	ND		ug/L	10	03/14/21	03/14/21
MTBE	ND		ug/L	0.5	03/14/21	03/14/21
trans-1,2-Dichloroethene	ND		ug/L	0.5	03/14/21	03/14/21
1,1-Dichloroethane	ND		ug/L	0.5	03/14/21	03/14/21
2-Butanone	ND		ug/L	5.0	03/14/21	03/14/21
cis-1,2-Dichloroethene	ND		ug/L	0.5	03/14/21	03/14/21
2,2-Dichloropropane	ND		ug/L	0.5	03/14/21	03/14/21
Chloroform	ND		ug/L	0.5	03/14/21	03/14/21
Bromochloromethane	ND		ug/L	0.5	03/14/21	03/14/21
1,1,1-Trichloroethane	ND		ug/L	0.5	03/14/21	03/14/21
1,1-Dichloropropene	ND		ug/L	0.5	03/14/21	03/14/21
Carbon Tetrachloride	ND		ug/L	0.5	03/14/21	03/14/21
1,2-Dichloroethane	ND		ug/L	0.5	03/14/21	03/14/21
Benzene	ND		ug/L	0.5	03/14/21	03/14/21
Trichloroethene	ND		ug/L	0.5	03/14/21	03/14/21
1,2-Dichloropropane	ND		ug/L	0.5	03/14/21	03/14/21
Bromodichloromethane	ND		ug/L	0.5	03/14/21	03/14/21
Dibromomethane	ND		ug/L	0.5	03/14/21	03/14/21
4-Methyl-2-Pentanone	ND		ug/L	5.0	03/14/21	03/14/21
cis-1,3-Dichloropropene	ND		ug/L	0.5	03/14/21	03/14/21
Toluene	ND		ug/L	0.5	03/14/21	03/14/21
trans-1,3-Dichloropropene	ND		ug/L	0.5	03/14/21	03/14/21
1,1,2-Trichloroethane	ND		ug/L	0.5	03/14/21	03/14/21
1,3-Dichloropropane	ND		ug/L	0.5	03/14/21	03/14/21
Tetrachloroethene	ND		ug/L	0.5	03/14/21	03/14/21
Dibromochloromethane	ND		ug/L	0.5	03/14/21	03/14/21
1,2-Dibromoethane	ND		ug/L	0.5	03/14/21	03/14/21
Chlorobenzene	ND		ug/L	0.5	03/14/21	03/14/21
1,1,1,2-Tetrachloroethane	ND		ug/L	0.5	03/14/21	03/14/21
Ethylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
m,p-Xylenes	ND		ug/L	1.0	03/14/21	03/14/21
o-Xylene	ND		ug/L	0.5	03/14/21	03/14/21
Styrene	ND		ug/L	0.5	03/14/21	03/14/21

Batch QC

QC913823 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ug/L	1.0	03/14/21	03/14/21
Propylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
Isopropylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
1,1,2,2-Tetrachloroethane	ND		ug/L	0.5	03/14/21	03/14/21
1,2,3-Trichloropropane	ND		ug/L	0.5	03/14/21	03/14/21
Bromobenzene	ND		ug/L	1.0	03/14/21	03/14/21
1,3,5-Trimethylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
2-Chlorotoluene	ND		ug/L	0.5	03/14/21	03/14/21
4-Chlorotoluene	ND		ug/L	0.5	03/14/21	03/14/21
tert-Butylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
1,2,4-Trimethylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
sec-Butylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
para-Isopropyl Toluene	ND		ug/L	0.5	03/14/21	03/14/21
1,3-Dichlorobenzene	ND		ug/L	0.5	03/14/21	03/14/21
1,4-Dichlorobenzene	ND		ug/L	0.5	03/14/21	03/14/21
n-Butylbenzene	ND		ug/L	0.5	03/14/21	03/14/21
1,2-Dichlorobenzene	ND		ug/L	0.5	03/14/21	03/14/21
1,2-Dibromo-3-Chloropropane	ND		ug/L	2.0	03/14/21	03/14/21
1,2,4-Trichlorobenzene	ND		ug/L	0.5	03/14/21	03/14/21
Hexachlorobutadiene	ND		ug/L	2.0	03/14/21	03/14/21
Naphthalene	ND		ug/L	2.0	03/14/21	03/14/21
1,2,3-Trichlorobenzene	ND		ug/L	0.5	03/14/21	03/14/21
Isopropyl Ether (DIPE)	ND		ug/L	0.5	03/14/21	03/14/21
Ethyl tert-Butyl Ether (ETBE)	ND		ug/L	0.5	03/14/21	03/14/21
tert-Butyl Alcohol (TBA)	ND		ug/L	5.2	03/14/21	03/14/21
Methyl tert-Amyl Ether (TAME)	ND		ug/L	0.5	03/14/21	03/14/21
Surrogates	Limits					
Dibromofluoromethane	99%		%REC	70-140	03/14/21	03/14/21
1,2-Dichloroethane-d4	102%		%REC	70-140	03/14/21	03/14/21
Toluene-d8	100%		%REC	70-140	03/14/21	03/14/21
Bromofluorobenzene	96%		%REC	70-140	03/14/21	03/14/21

Batch QC

Type: Lab Control Sample	Lab ID: QC913824	Batch: 263196
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC913824 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	59.76	50.00	ug/L	120%		70-135
MTBE	47.84	50.00	ug/L	96%		70-130
Benzene	49.46	50.00	ug/L	99%		70-130
Trichloroethene	47.83	50.00	ug/L	96%		70-130
Toluene	46.80	50.00	ug/L	94%		70-130
Chlorobenzene	49.76	50.00	ug/L	100%		70-130
Surrogates						
Dibromofluoromethane	52.47	50.00	ug/L	105%		70-140
1,2-Dichloroethane-d4	52.58	50.00	ug/L	105%		70-140
Toluene-d8	49.00	50.00	ug/L	98%		70-140
Bromofluorobenzene	49.61	50.00	ug/L	99%		70-140

Type: Lab Control Sample Duplicate	Lab ID: QC913825	Batch: 263196
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC913825 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	58.25	50.00	ug/L	116%		70-135	3	30
MTBE	47.02	50.00	ug/L	94%		70-130	2	30
Benzene	48.08	50.00	ug/L	96%		70-130	3	30
Trichloroethene	46.88	50.00	ug/L	94%		70-130	2	30
Toluene	46.74	50.00	ug/L	93%		70-130	0	30
Chlorobenzene	48.78	50.00	ug/L	98%		70-130	2	30
Surrogates								
Dibromofluoromethane	53.04	50.00	ug/L	106%		70-140		
1,2-Dichloroethane-d4	52.42	50.00	ug/L	105%		70-140		
Toluene-d8	49.68	50.00	ug/L	99%		70-140		
Bromofluorobenzene	48.50	50.00	ug/L	97%		70-140		

Batch QC

Type: Blank	Lab ID: QC913833	Batch: 263199
Matrix: Filtrate	Method: EPA 6010B	Prep Method: METHOD

QC913833 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		ug/L	40	03/12/21	03/14/21
Arsenic	ND		ug/L	10	03/12/21	03/14/21
Barium	ND		ug/L	10	03/12/21	03/14/21
Beryllium	ND		ug/L	1.0	03/12/21	03/14/21
Cadmium	ND		ug/L	5.0	03/12/21	03/14/21
Chromium	ND		ug/L	10	03/12/21	03/14/21
Cobalt	ND		ug/L	5.0	03/12/21	03/14/21
Copper	ND		ug/L	10	03/12/21	03/14/21
Lead	ND		ug/L	10	03/12/21	03/14/21
Molybdenum	ND		ug/L	10	03/12/21	03/14/21
Nickel	ND		ug/L	10	03/12/21	03/14/21
Selenium	ND		ug/L	30	03/12/21	03/14/21
Silver	ND		ug/L	5.0	03/12/21	03/14/21
Thallium	ND		ug/L	50	03/12/21	03/14/21
Vanadium	ND		ug/L	5.0	03/12/21	03/14/21
Zinc	ND		ug/L	50	03/12/21	03/14/21

Type: Lab Control Sample	Lab ID: QC913834	Batch: 263199
Matrix: Filtrate	Method: EPA 6010B	Prep Method: METHOD

QC913834 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	483.5	500.0	ug/L	97%		80-120
Arsenic	527.2	500.0	ug/L	105%		80-120
Barium	508.0	500.0	ug/L	102%		80-120
Beryllium	512.8	500.0	ug/L	103%		80-120
Cadmium	508.0	500.0	ug/L	102%		80-120
Chromium	495.6	500.0	ug/L	99%		80-120
Cobalt	490.6	500.0	ug/L	98%		80-120
Copper	468.3	500.0	ug/L	94%		80-120
Lead	517.9	500.0	ug/L	104%		80-120
Molybdenum	566.1	500.0	ug/L	113%		80-120
Nickel	502.6	500.0	ug/L	101%		80-120
Selenium	503.6	500.0	ug/L	101%		80-120
Silver	235.0	250.0	ug/L	94%		80-120
Thallium	524.3	500.0	ug/L	105%		80-120
Vanadium	507.2	500.0	ug/L	101%		80-120
Zinc	519.6	500.0	ug/L	104%		80-120

Batch QC

Type: Matrix Spike	Lab ID: QC913835	Batch: 263199
Matrix (Source ID): Filtrate (442306-012)	Method: EPA 6010B	Prep Method: METHOD

QC913835 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	535.6	ND	500.0	ug/L	107%		75-125	1
Arsenic	599.5	ND	500.0	ug/L	120%		75-125	1
Barium	727.5	195.8	500.0	ug/L	106%		75-125	1
Beryllium	515.9	0.3651	500.0	ug/L	103%		75-125	1
Cadmium	581.0	1.260	500.0	ug/L	116%		75-125	1
Chromium	514.3	0.7832	500.0	ug/L	103%		75-125	1
Cobalt	518.8	16.37	500.0	ug/L	100%		75-125	1
Copper	563.2	ND	500.0	ug/L	113%		75-125	1
Lead	533.4	2.755	500.0	ug/L	106%		75-125	1
Molybdenum	606.2	12.87	500.0	ug/L	119%		75-125	1
Nickel	554.0	27.21	500.0	ug/L	105%		75-125	1
Selenium	562.4	4.434	500.0	ug/L	112%		75-125	1
Silver	272.8	ND	250.0	ug/L	109%		75-125	1
Thallium	534.7	5.682	500.0	ug/L	106%		75-125	1
Vanadium	536.3	8.753	500.0	ug/L	106%		75-125	1
Zinc	497.6	2.565	500.0	ug/L	99%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC913836	Batch: 263199
Matrix (Source ID): Filtrate (442306-012)	Method: EPA 6010B	Prep Method: METHOD

QC913836 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	Lim	DF
Antimony	582.5	ND	500.0	ug/L	117%		75-125	8	20	1
Arsenic	644.7	ND	500.0	ug/L	129%	*	75-125	7	20	1
Barium	739.5	195.8	500.0	ug/L	109%		75-125	2	20	1
Beryllium	547.8	0.3651	500.0	ug/L	109%		75-125	6	20	1
Cadmium	623.0	1.260	500.0	ug/L	124%		75-125	7	20	1
Chromium	559.2	0.7832	500.0	ug/L	112%		75-125	8	20	1
Cobalt	558.8	16.37	500.0	ug/L	108%		75-125	7	20	1
Copper	597.1	ND	500.0	ug/L	119%		75-125	6	20	1
Lead	571.7	2.755	500.0	ug/L	114%		75-125	7	20	1
Molybdenum	653.9	12.87	500.0	ug/L	128%	*	75-125	8	20	1
Nickel	590.1	27.21	500.0	ug/L	113%		75-125	6	20	1
Selenium	609.8	4.434	500.0	ug/L	121%		75-125	8	20	1
Silver	274.0	ND	250.0	ug/L	110%		75-125	0	20	1
Thallium	575.7	5.682	500.0	ug/L	114%		75-125	7	20	1
Vanadium	571.0	8.753	500.0	ug/L	112%		75-125	6	20	1
Zinc	540.0	2.565	500.0	ug/L	107%		75-125	8	20	1

Batch QC

Type: Lab Control Sample	Lab ID: QC913849	Batch: 263202
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC913849 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	524.2	500.0	ug/L	105%		70-130
Surrogates						
Bromofluorobenzene (FID)	201.0	200.0	ug/L	101%		60-140

Type: Matrix Spike	Lab ID: QC913850	Batch: 263202
Matrix (Source ID): Water (442011-002)	Method: EPA 8015B	Prep Method: EPA 5030B

QC913850 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	500.8	ND	500.0	ug/L	100%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	220.0		200.0	ug/L	110%		60-140	1

Type: Matrix Spike Duplicate	Lab ID: QC913851	Batch: 263202
Matrix (Source ID): Water (442011-002)	Method: EPA 8015B	Prep Method: EPA 5030B

QC913851 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	491.4	ND	500.0	ug/L	98%		70-130	2	30	1
Surrogates										
Bromofluorobenzene (FID)	228.0		200.0	ug/L	114%		60-140			1

Type: Blank	Lab ID: QC913852	Batch: 263202
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC913852 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	03/14/21	03/14/21
Surrogates				Limits		
Bromofluorobenzene (FID)	108%		%REC	60-140	03/14/21	03/14/21

Batch QC

Type: Blank	Lab ID: QC913894	Batch: 263215
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC913894 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/Kg	5.0	03/15/21	03/15/21
Chloromethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Vinyl Chloride	ND		ug/Kg	5.0	03/15/21	03/15/21
Bromomethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Chloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Trichlorofluoromethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Acetone	ND		ug/Kg	100	03/15/21	03/15/21
Freon 113	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1-Dichloroethene	ND		ug/Kg	5.0	03/15/21	03/15/21
Methylene Chloride	ND		ug/Kg	5.0	03/15/21	03/15/21
MTBE	ND		ug/Kg	5.0	03/15/21	03/15/21
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1-Dichloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
2-Butanone	ND		ug/Kg	100	03/15/21	03/15/21
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	03/15/21	03/15/21
2,2-Dichloropropane	ND		ug/Kg	5.0	03/15/21	03/15/21
Chloroform	ND		ug/Kg	5.0	03/15/21	03/15/21
Bromochloromethane	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1,1-Trichloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1-Dichloropropene	ND		ug/Kg	5.0	03/15/21	03/15/21
Carbon Tetrachloride	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2-Dichloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Benzene	ND		ug/Kg	5.0	03/15/21	03/15/21
Trichloroethene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2-Dichloropropane	ND		ug/Kg	5.0	03/15/21	03/15/21
Bromodichloromethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Dibromomethane	ND		ug/Kg	5.0	03/15/21	03/15/21
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	03/15/21	03/15/21
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	03/15/21	03/15/21
Toluene	ND		ug/Kg	5.0	03/15/21	03/15/21
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1,2-Trichloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
1,3-Dichloropropane	ND		ug/Kg	5.0	03/15/21	03/15/21
Tetrachloroethene	ND		ug/Kg	5.0	03/15/21	03/15/21
Dibromochloromethane	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2-Dibromoethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Chlorobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
Ethylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
m,p-Xylenes	ND		ug/Kg	10	03/15/21	03/15/21
o-Xylene	ND		ug/Kg	5.0	03/15/21	03/15/21
Styrene	ND		ug/Kg	5.0	03/15/21	03/15/21

Batch QC

QC913894 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromoform	ND		ug/Kg	5.0	03/15/21	03/15/21
Isopropylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2,3-Trichloropropane	ND		ug/Kg	5.0	03/15/21	03/15/21
Propylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
Bromobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
2-Chlorotoluene	ND		ug/Kg	5.0	03/15/21	03/15/21
4-Chlorotoluene	ND		ug/Kg	5.0	03/15/21	03/15/21
tert-Butylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
sec-Butylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
para-Isopropyl Toluene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,3-Dichlorobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,4-Dichlorobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
n-Butylbenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2-Dichlorobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
Hexachlorobutadiene	ND		ug/Kg	5.0	03/15/21	03/15/21
Naphthalene	ND		ug/Kg	5.0	03/15/21	03/15/21
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	03/15/21	03/15/21
Surrogates	Limits					
Dibromofluoromethane	102%		%REC	70-130	03/15/21	03/15/21
1,2-Dichloroethane-d4	101%		%REC	70-145	03/15/21	03/15/21
Toluene-d8	98%		%REC	70-145	03/15/21	03/15/21
Bromofluorobenzene	101%		%REC	70-145	03/15/21	03/15/21

Type: Lab Control Sample	Lab ID: QC913895	Batch: 263215
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC913895 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	53.73	50.00	ug/Kg	107%		70-131
MTBE	48.87	50.00	ug/Kg	98%		69-130
Benzene	49.14	50.00	ug/Kg	98%		70-130
Trichloroethene	51.31	50.00	ug/Kg	103%		70-130
Toluene	51.33	50.00	ug/Kg	103%		70-130
Chlorobenzene	53.00	50.00	ug/Kg	106%		70-130
Surrogates						
Dibromofluoromethane	48.89	50.00	ug/Kg	98%		70-130
1,2-Dichloroethane-d4	46.28	50.00	ug/Kg	93%		70-145
Toluene-d8	52.80	50.00	ug/Kg	106%		70-145
Bromofluorobenzene	54.87	50.00	ug/Kg	110%		70-145

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC913896	Batch: 263215
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC913896 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	51.02	50.00	ug/Kg	102%		70-131	5	33
MTBE	48.32	50.00	ug/Kg	97%		69-130	1	30
Benzene	47.80	50.00	ug/Kg	96%		70-130	3	30
Trichloroethene	51.77	50.00	ug/Kg	104%		70-130	1	30
Toluene	50.46	50.00	ug/Kg	101%		70-130	2	30
Chlorobenzene	52.65	50.00	ug/Kg	105%		70-130	1	30
Surrogates								
Dibromofluoromethane	49.77	50.00	ug/Kg	100%		70-130		
1,2-Dichloroethane-d4	45.60	50.00	ug/Kg	91%		70-145		
Toluene-d8	51.71	50.00	ug/Kg	103%		70-145		
Bromofluorobenzene	55.04	50.00	ug/Kg	110%		70-145		

* Value is outside QC limits
 ND Not Detected

**Phase II Environmental Site Assessment Activities
KFAX and KTRB Transmitter Site
Hayward, California**



Attachment F – Photolog



Photo 1 – Setting-up GeoProbe at Borehole DSB-1

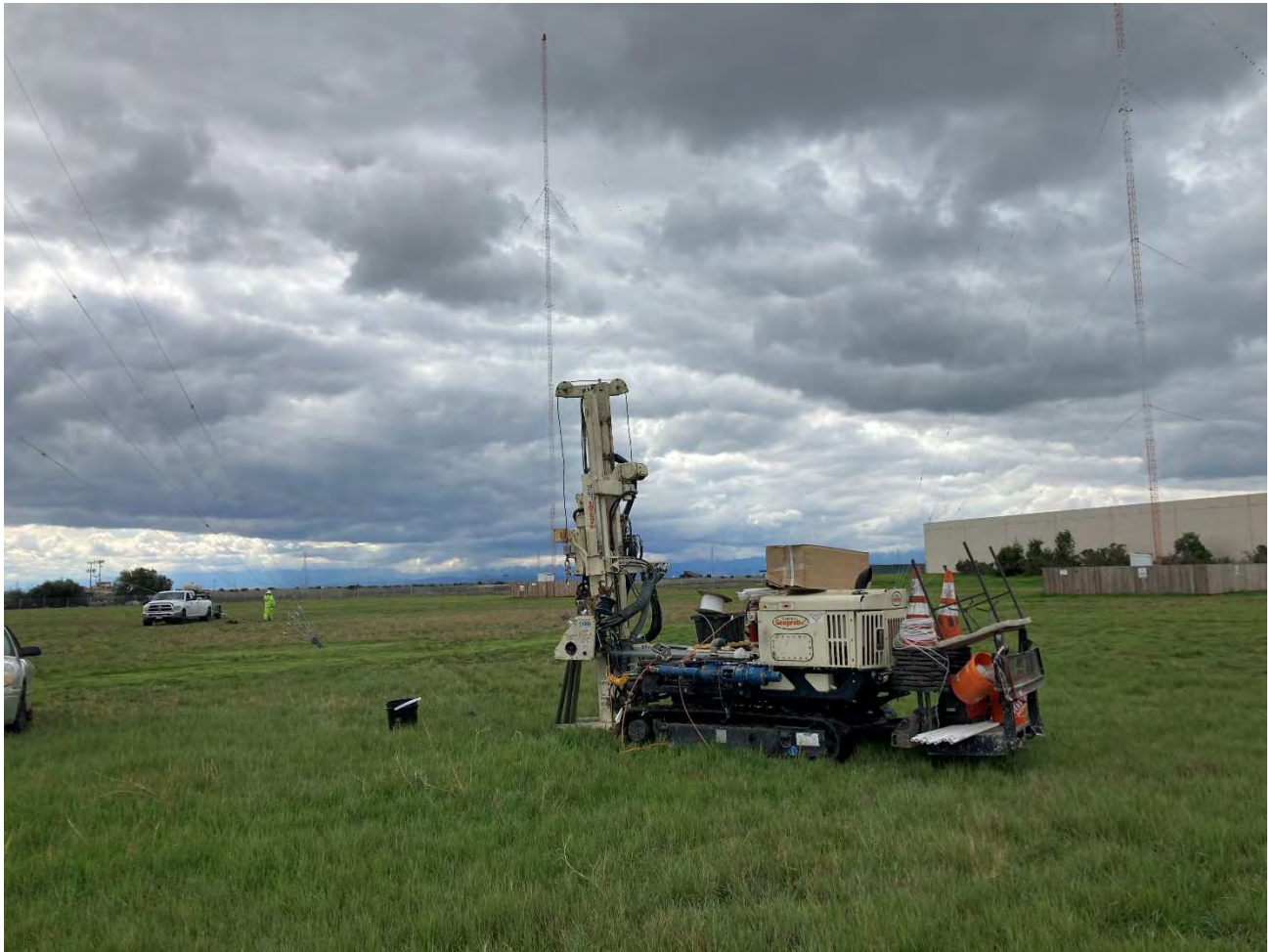


Photo 2 - Setting-up GeoProbe at Borehole DSB-5