



November 10, 2021

Mr. Matt Enghard
Proficiency Capital
11777 San Vicente Boulevard Suite 780
Los Angeles, California 90049

Subject: Phase II Site Investigation Report, 119 S. Arrowhead Avenue, San Bernardino, California

Dear Mr. Enghard:

This Phase II Site Investigation Report has been prepared by Hazard Management Consulting, Inc. (HMC) for the property located at 119 S. Arrowhead Avenue (the Site, Plate 1) in San Bernardino, California. It is our understanding that you are considering acquiring the Site for development of a three-building industrial development. The Site is currently a vacant dirt parcel but was historically the location of a foundry. HMC previously prepared a Phase One ESA for the Site as part of your due diligence activities and reported on previous historic investigations at the Site which documented the presence of elevated concentrations of metals, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total petroleum hydrocarbons (TPH) in shallow soil. HMC recommended additional shallow soil and soil gas sampling to assess issues that could arise as part of your developmental efforts.

The Site was investigated under the oversight of the California Department of Toxic Substance Control (DTSC) who issued a No Further Action Letter dated February 28, 2007. The NFA letter stated that the Site “does not appear to pose a threat to human health or the environment with present use of the site” and that “no further action is necessary with respect to investigation and remediation of hazardous substances, provided that: (1) the use of the site does not change from commercial/industrial, and (2) the site is not used for any of the sensitive uses identified in the Land Use Covenant.” The Land Use Covenant (LUC) also requires DTSC be notified prior to any subsurface work and such work is subject to a Soil Management Plan (SMP). It is our understanding that your plans for the Site would not require a change in land use from those approved above. However, as part of your development, the Site will be graded following the protocols of that SMP. Given the concentrations of residuals remaining at the Site, the potential exists that some of the shallow soil that is disturbed during grading would require off-site disposal as part of the SMP. In addition, given your plans for the construction of buildings on the Site, knowing the current concentrations of VOCs

in shallow soil gas is important in order to assess whether vapor mitigation systems may be necessary.

This report details the shallow soil and soil vapor investigation completed to verify historical soil impacts and quantify potential vapor intrusion and risks, if any, associated with the historic Site use.

FIELD ACTIVITIES

The following sections summarize the investigation activities conducted by HMC.

Pre-Field Activities

Prior to the commencement of field work, HMC notified DTSC of the upcoming subsurface work and was approved to complete the investigation at the Site under the existing SMP dated June 2018. On October 12, 2021 HMC personnel visited the Site and staked out the proposed investigation locations (Plate 1) in a grid across the Site. Following the location mark-out, HMC notified Underground Service Alert (USA) of the upcoming work at the Site, for utility clearance.

Soil Boring and Soil Vapor Probe Installation and Sampling

On October 18 and 19, 2021, thirty-one soil borings (Plate 1) were completed to a depth of 10 feet below ground surface (bgs). Soil borings were installed using a direct push drill rig by MR Drilling. During drilling, soil was collected using continuous sampling to the total depth of 10 feet bgs, soil lithology was logged, and soils were field screened for VOCs with a photoionization detector (PID). Each soil sample was logged in accordance with the Unified Soil Classification System (USCS) under the supervision of a California Professional Geologist (PG). Boring logs showing lithology are provided in Attachment A.

Four soil samples were collected at each soil boring location (124 samples in total) at depths of 1, 3, 5, and 10 feet bgs. At each location, 2 of the 4 samples collected were sent to SunStar Laboratory in Lake Forest, California, for analysis and the other 2 samples collected were placed on hold at SunStar Laboratory in case additional analyses were needed.

Soil samples within each boring were to be selected for laboratory analysis based on PID readings, or lithology, or future soil management activities at the Site. No significant PID values were detected during the investigation and clay units were not encountered during drilling (Attachment A). Therefore, analytical priority was given to the 1-foot soil samples, that would potentially require soil management during future grading activities at the Site.

Fifteen (15) of the 31 soil borings were sampled and backfilled with hydrated bentonite. The 1-foot and 3-foot soil samples at these locations were analyzed for potential soil impacts. The 1-foot

samples were analyzed for VOCs by United States Environmental Protection Agency (USEPA) Test Method 8260B, TPH using USEPA Test Method 8015M., Title 22 Metals using USEPA Test Method 6010B, PAHs using USEPA Test Method 8270C, and PCBs using USEPA Test Method 8082. The 3-foot samples were analyzed for an abbreviated suite of VOCs, TPH, and Title 22 Metals.

Sixteen (16) of the 31 soil borings were sampled and then a single, temporary, 5-foot soil vapor probe was installed to assess the potential for vapor intrusion at the Site. The 1-foot and 5-foot soil samples were analyzed at these locations, to allow for a direct comparison to be made between concentrations within the 5-foot soil samples and the 5-foot soil vapor probes. The 1-foot soil samples were again analyzed for the full sampling suite of VOCs, TPH, Title 22 Metals, PAHs, and PCBs, while the 5-foot samples were analyzed for the abbreviated suite of VOCs, TPH, and Title 22 Metals. The soil vapor probes were installed in approximately every other proposed soil boring. Boring logs showing soil vapor probe construction details are provided in Attachment A.

Following the installation, the probes were allowed to equilibrate prior to sample collection on October 21, 2021. The soil vapor samples (16 samples in total plus 1 duplicate sample) were analyzed for VOCs plus oxygenates using USEPA Method TO-15.

RESULTS

The following sections summarize the results of the investigation activities conducted by HMC.

Soil Results

Soil samples were analyzed for VOCs, TPH, Title 22 Metals, PAHs, and PCBs as these compounds are identified as present in the top 0 to 10 feet of the Site in the Final Site Characterization Report (Shaw, 2006) and the LUC.

This section provides a summary of results for each type of analyte. A summary of soil analytical results is also presented in Tables 1A and 1B.

- VOCs were detected in one sample (G3-03; Table 1B) in soil, consisting of three analytes: 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA), and 1,1,1-Trichloroethane (1,1,1-TCA). VOCs were not identified in shallow soils in the Final Site Characterization Report (Shaw, 2006), so results were compared to screening levels presented in DTSC Human Health Risk Assessment (HHRA) Note 3. All VOC detections present at the Site are below the recommended commercial/industrial human health screening levels.
- TPH was detected in twenty-five (25) samples (Table 1B) in soil. TPH detections were predominantly motor oil range (TPHmo) and diesel range (TPHd). TPH was not identified in shallow soils in the Final Site Characterization Report (Shaw, 2006), so results were compared

to screening levels presented in the Remediation Guidance for Petroleum Impacted Sites (USEPA, 1996). All detections present at the Site are below the recommended screening levels of 1,000 mg/kg TPHd and 10,000 mg/kg TPHmo.

- Metals were detected across the Site (Table 1A). The Final Site Characterization Report (Shaw, 2006) identified four Title 22 Metals as chemicals of concern, we will discuss each of the following:
 - Arsenic was detected in one soil sample (H3-03) at a concentration of 16 mg/kg (Table 1A). This concentration is consistent with the presence of arsenic in shallow soils in the Final Site Characterization Report (Shaw, 2006) and is well below the arsenic RCRA hazardous waste screening level of 500 mg/kg.
 - Chromium was detected in all soil samples at the Site, with concentrations ranging from 4.5 to 2,100 mg/kg (Table 1A). These results are consistent with the presence of chromium in shallow soils in the Final Site Characterization Report (Shaw, 2006) and are below the chromium federal Resource Conservation and Recovery Act (RCRA) hazardous waste screening level of 2,500 mg/kg. Soil samples with Total Threshold Limit Concentrations (TTLCs) higher than 50 mg/kg were analyzed for solubility (soluble threshold limit concentration [STLC] and toxicity characteristic leaching procedure [TCLP]) and no soluble chromium was detected at the Site.
 - Lead was detected in thirty-eight samples in soil at concentrations ranging from 3.8 to 730 mg/kg (Table 1A). These results are consistent with the presence of lead in shallow soils in the Final Site Characterization Report (Shaw, 2006) and are below the lead RCRA hazardous waste screening level of 1,000 mg/kg. Soil samples with total concentrations greater than 50 mg/kg were analyzed for solubility (WET and TCLP); soluble lead was detected at the Site at concentrations ranging from 1.2 to 22 milligrams per liter (mg/L). Soils found to be impacted with soluble lead concentrations greater than 5.0 mg/L will need to be managed as California non-RCRA hazardous waste during future soil management activities. Based on these concentrations, large-scale soil moving activities will likely also need to be monitored using x-ray fluorescence (XRF) devices, allowing for soils identified as containing lead with TTLCs higher than 50 mg/kg to be stockpiled and analyzed for soluble lead concentrations. Plate 2 illustrates the locations of soluble lead exceedances at the Site.
 - Mercury was detected in three samples (D1-03, D2-01, and E1-01) in soil at concentrations ranging from 0.13 to 0.32 mg/kg. These results are consistent with the Final Site Characterization Report (Shaw, 2006), where concentrations ranged from 0.16 to 0.35 mg/kg in shallow soils, and the results are below the mercury RCRA hazardous waste screening level of 20 mg/kg.

- PCB-1260 was detected in three samples (D1-01, H2-01, and I3-01; Table 1B) in soil. These results are consistent with the Final Site Characterization Report (Shaw, 2006) that found detections of PCB-1260 and PCB-1254 within shallow soils at the Site, and the results are below the PCB RCRA hazardous waste screening level of 50,000 µg/kg.
- PAHs were detected in four (4) samples (B1-01, B2-01, F3-01, and G3-03; Table 1B) in soil. These PAHs include benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)-perylene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)-pyrene, and pyrene. These results are consistent with the Final Site Characterization Report (Shaw, 2006) that found detections of 17 PAHs within the top 5 feet of soil at the Site. None of these compounds have an associated hazardous waste screening level.

Complete soil laboratory analytical reports and supporting chain-of-custody documentation are provided in Attachment B.

Soil Vapor Results

A summary of soil vapor analytical results is presented in Table 2. The laboratory analytical reports and supporting chain-of-custody documentation are provided in Attachment B.

The analytical results from the 17 soil vapor samples (16 soil vapor probes plus 1 duplicate sample) showed the presence of 18 different constituents. Fifteen (15) of the 18 detected constituents have soil vapor concentrations below their associated screening values, with no further action needed. Recommended screening levels for each analyte were determined according to the 2019 (Revision 2) San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for commercial / industrial soil gas (Table 2).

Three (3) constituents (1,1-DCA, 1,2-DCA, and tetrachloroethene [PCE]) were found to exceed their recommended 2019 screening levels within soil gas.

- 1,1-DCA was only detected in sample G3, with a concentration of 3,900 micrograms per cubic meter (µg/m³). This exceeded the ESL of 260 µg/m³ and is consistent with 1,1-DCA detected in the co-located soil sample.
- Similarly, 1,2-DCA was only detected in sample G3, with a concentration of 220 µg/m³. This exceeded the ESL of 16 µg/m³ and is consistent with 1,2-DCA detected in the co-located soil sample.
- PCE concentrations exceeded the ESL of 67 µg/m³ in 4 of the 17 samples (A3, G1, H2, and the duplicate sample). The maximum value of 320 µg/m³ was observed in sample H2. PCE was not detected in shallow soils at the Site.

Plate 3 illustrates the locations with soil vapor exceedances at the Site. The concentrations reported are above the conservative vapor intrusion screening levels and suggest that some form of vapor mitigation measure, like a vapor barrier, may be necessary at the Site.

DISCUSSION

The data that was obtained as part of this investigation can be summarized as follows:

- Soil sampling confirms historic investigations, with VOCs, TPH, Title 22 Metals, PAHs, and PCBs confirmed to be present in shallow soils at the Site.
- VOCs detections in shallow soils are present below their recommended screening levels.
- TPH detections in shallow soils are present below their recommended screening levels.
- The presence of arsenic in shallow soils is consistent with the Final Site Characterization Report (Shaw, 2006) and the Land Use Covenant.
- The presence of chromium in shallow soils is consistent with the Final Site Characterization Report (Shaw, 2006) and the Land Use Covenant.
- The presence of total lead (TTL) in shallow soils is consistent with the Final Site Characterization Report (Shaw, 2006) and the Land Use Covenant. However, exceedances of soluble lead (STL) will require some soils to be managed as non-RCRA hazardous waste during future soil management activities.
- The presence of mercury in shallow soils is consistent with the Final Site Characterization Report (Shaw, 2006) and the Land Use Covenant.
- The presence of PCB-1260 in shallow soils is consistent with the Final Site Characterization Report (Shaw, 2006) and the Land Use Covenant.
- The presence of PAHs in shallow soils is consistent with the Final Site Characterization Report (Shaw, 2006) and the Land Use Covenant.
- Three (3) constituents (1,1-DCA, 1,2-DCA, and PCE) were detected in soil vapor at locations A3, G1, G3, and H2 at concentrations that exceeded screening levels. The concentrations reported are above conservative vapor intrusion screening levels and suggest that some form of vapor mitigation measure, like a vapor barrier may be necessary for future buildings at the Site.

CONCLUSIONS

Based on the information obtained as part of this investigation, the following conclusions have been made by HMC:

- Elevated concentrations of soluble lead were found in select soil samples that would classify that soil as non-RCRA hazardous waste in the State of California. Such soil should be removed and disposed off-site prior to mass grading efforts at the Site; and
- Elevated concentrations of VOCs were found in shallow soil gas above screening levels indicating the potential for a vapor intrusion condition to be present.

RECOMMENDATIONS

Based on the conclusions of this report, the following recommendations are offered for your consideration:

- Grading and development of the Site should proceed under the approved SMP after notification is given to DTSC as required. The areas with elevated concentrations of soluble lead should be removed and disposed of off-site in advance of grading proceeding at the Site. During grading, we would recommend that a field XRF unit be used to monitor the potential for additional locations to contain lead that may be encountered. If elevated concentrations of lead are encountered, that soil should be segregated and analyzed for the soluble fraction to assess whether that soil can be used as fill or must be removed from the Site. As part of the grading efforts, AQMD Rules 1166 (VOCs) and 1466 (Metals) should be followed.
- Given the concentrations of VOCs present in soil gas, a vapor mitigation system should be designed and installed under the future buildings.

We thank you for the opportunity to be of service. If you have any questions, comments or require additional information, please feel free to contact me at your convenience.

Very truly yours,
Hazard Management Consulting Inc.



Mark Cousineau, NREP
Principal



Attachments:

Plate 1 – Site Map

Plate 2 – Soluble Lead (STLC) Exceedances in Soil

Plate 3 – Exceedances in Soil Vapor

Table 1A – Summary of Soil Analytical Results - Metals

Table 1B – Summary of Soil Analytical Results – Other Detections

Table 2 – Summary of Soil Vapor Analytical Results

Attachment A – Boring Logs

Attachment B – Laboratory Reports and Chain of Custody Documents

Shaw, 2006. Final Site Characterization Report, Former Hanford Foundry Company Site, 119 South Arrowhead Avenue, San Bernardino, California. August 11.

PLATES



Legend

- SOIL VAPOR PROBE / SOIL BORING LOCATION
- SOIL BORING LOCATION
- PROPERTY BOUNDARY



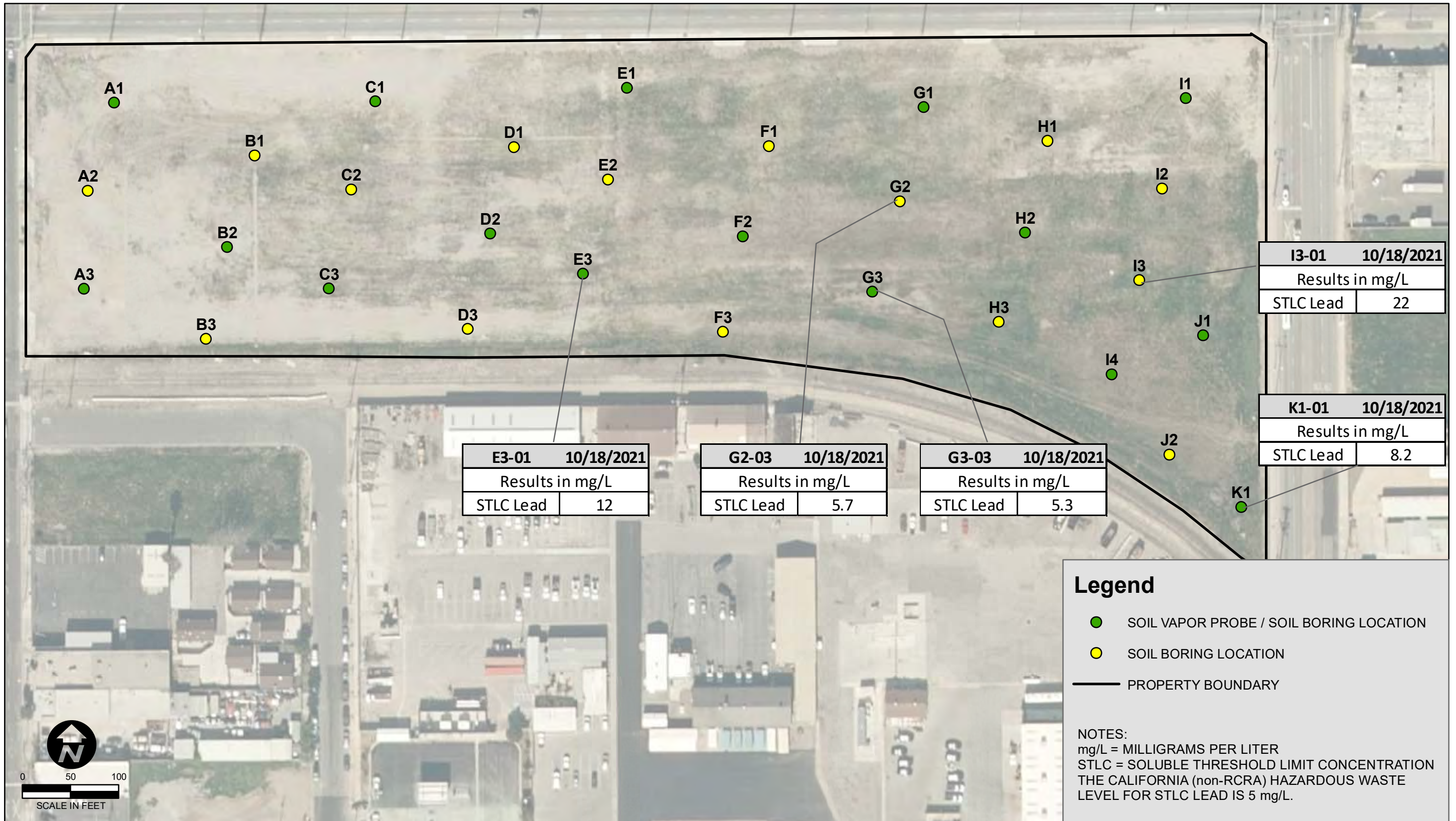
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CHECKED BY: MR
DRAWN BY: CM
DATE: OCTOBER 2021

SITE MAP

119 SOUTH ARROWHEAD AVENUE
SAN BERNARDINO, CA

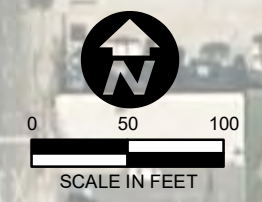
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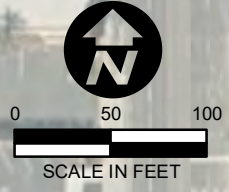
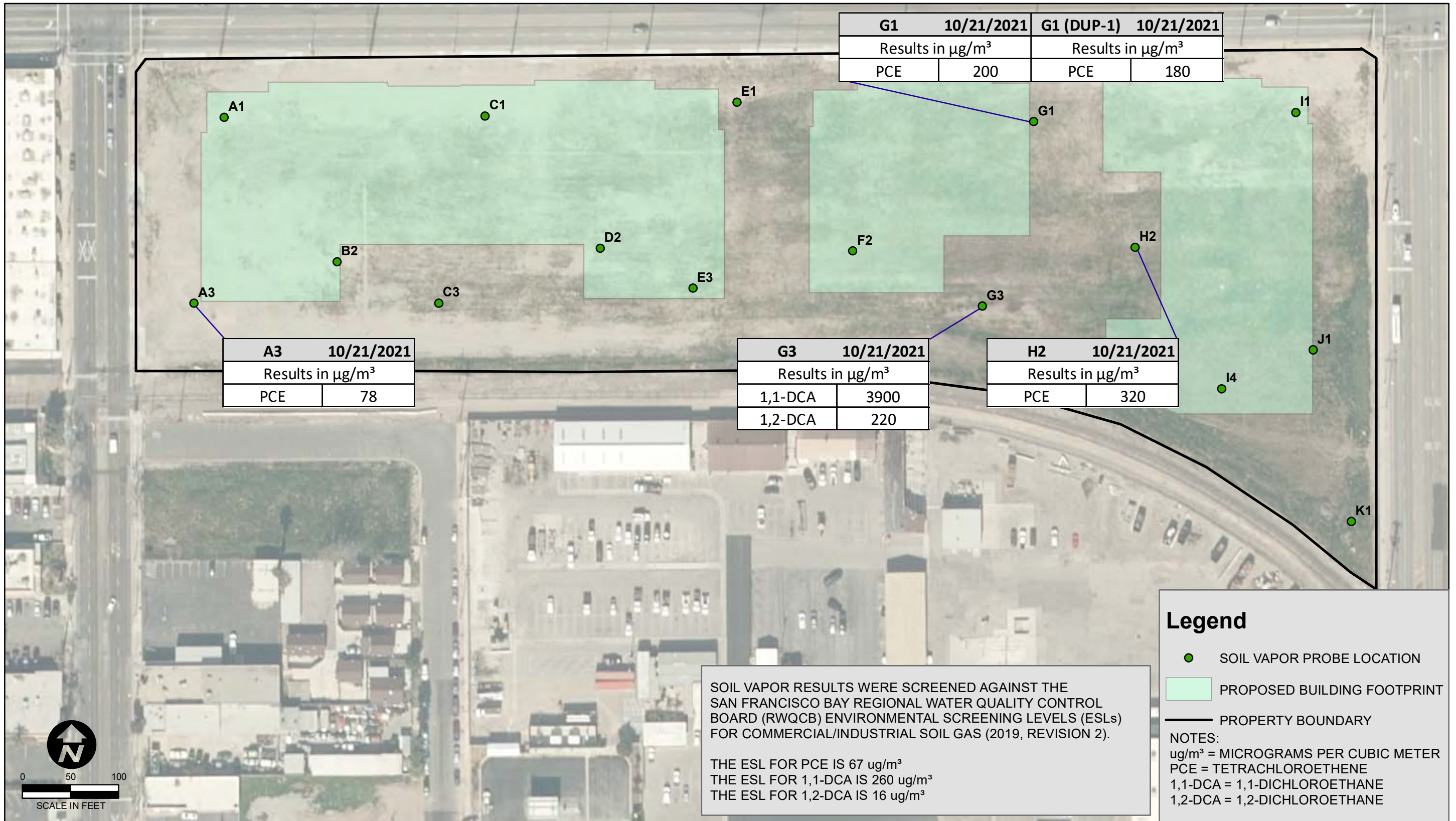


Legend

- SOIL VAPOR PROBE / SOIL BORING LOCATION
- SOIL BORING LOCATION
- PROPERTY BOUNDARY

NOTES:
 mg/L = MILLIGRAMS PER LITER
 STLC = SOLUBLE THRESHOLD LIMIT CONCENTRATION
 THE CALIFORNIA (non-RCRA) HAZARDOUS WASTE
 LEVEL FOR STLC LEAD IS 5 mg/L.





TABLES

Table 1A
Summary of Soil Analytical Results - Metals

Sample ID	Sample Date	Depth (Feet)	United States Environmental Protection Agency (USEPA) Test Method 6010B													7471A	6010B	1311
			Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Silver	Vanadium	Zinc	Mercury	STLC Lead	TCLP Nickel
			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/L	mg/L
Hazardous TTLC Limit for Metals			500	500	10,000	100	2,500	8,000	2,500	1,000	3,500	2,000	500	2,400	5,000	20	5.0	--
A1-01-20211019	10/19/21	1	ND<3.0	ND<5.0	46	ND<2.0	16	5.0	16	32	ND<5.0	14	ND<2.0	20	63	ND<0.10	NA	NA
A1-05-20211019	10/19/21	5	ND<3.0	ND<5.0	78	ND<2.0	25	8.6	12	ND<3.0	ND<5.0	12	ND<2.0	29	51	ND<0.10	NA	NA
A2-01-20211019	10/19/21	1	ND<3.0	ND<5.0	44	ND<2.0	29	4.9	20	23	ND<5.0	24	2.7	20	59	ND<0.10	NA	NA
A2-03-20211019	10/19/21	3	ND<3.0	ND<5.0	24	ND<2.0	4.6	3.4	2.7	ND<3.0	ND<5.0	2.8	ND<2.0	15	21	ND<0.10	NA	NA
A3-01-20211019	10/19/21	1	ND<3.0	ND<5.0	45	ND<2.0	23	4.7	16	24	ND<5.0	23	ND<2.0	19	71	ND<0.10	NA	NA
A3-05-20211019	10/19/21	5	ND<3.0	ND<5.0	57	ND<2.0	12	7.2	7.3	7.0	ND<5.0	7.7	ND<2.0	26	45	ND<0.10	NA	NA
B1-01-20211019	10/19/21	1	ND<3.0	ND<5.0	52	ND<2.0	19	5.6	9.4	4.8	ND<5.0	18	ND<2.0	26	31	ND<0.10	NA	NA
B1-03-20211019	10/19/21	3	ND<3.0	ND<5.0	61	ND<2.0	170	5.5	23	7.8	9.6	120	ND<2.0	17	39	ND<0.10	NA	NA
B2-01-20211019	10/19/21	1	ND<3.0	ND<5.0	36	ND<2.0	8.0	4.0	11	23	ND<5.0	6.2	ND<2.0	18	40	ND<0.10	NA	NA
B2-05-20211019	10/19/21	5	ND<3.0	ND<5.0	55	ND<2.0	9.6	5.7	6.6	ND<3.0	ND<5.0	5.5	ND<2.0	22	30	ND<0.10	NA	NA
B3-01-20211019	10/19/21	1	ND<3.0	ND<5.0	51	ND<2.0	26	4.6	14	18	ND<5.0	47	ND<2.0	20	62	ND<0.10	NA	NA
B3-03-20211019	10/19/21	3	ND<3.0	ND<5.0	51	ND<2.0	110	5.1	17	20	15	80	ND<2.0	22	61	ND<0.10	NA	NA
C1-01-20211019	10/19/21	1	ND<3.0	ND<5.0	48	ND<2.0	9.5	6.0	5.1	ND<3.0	ND<5.0	5.9	ND<2.0	23	37	ND<0.10	NA	NA
C1-05-20211019	10/19/21	5	ND<3.0	ND<5.0	52	ND<2.0	6.9	5.7	5.8	ND<3.0	ND<5.0	4.1	ND<2.0	21	42	ND<0.10	NA	NA
C2-01-20211019	10/19/21	1	ND<3.0	ND<5.0	39	ND<2.0	6.8	5.2	5.7	ND<3.0	ND<5.0	4.2	ND<2.0	22	36	ND<0.10	NA	NA
C2-03-20211019	10/19/21	3	ND<3.0	ND<5.0	41	ND<2.0	6.9	4.9	4.9	ND<3.0	ND<5.0	4.2	ND<2.0	20	33	ND<0.10	NA	NA
C3-01-20211019	10/19/21	1	ND<3.0	ND<5.0	45	ND<2.0	41	5.1	50	82	5.0	38	ND<2.0	21	110	ND<0.10	3.8	NA
C3-03-20211019	10/19/21	3	ND<3.0	ND<5.0	33	ND<2.0	4.5	3.3	3.1	ND<3.0	ND<5.0	2.7	ND<2.0	14	22	ND<0.10	NA	NA
D1-01-20211019	10/19/21	1	ND<3.0	ND<5.0	47	ND<2.0	14	5.1	16	25	ND<5.0	13	ND<2.0	21	77	ND<0.10	NA	NA
D1-03-20211019	10/19/21	3	ND<3.0	ND<5.0	43	ND<2.0	8.7	5.2	7.0	ND<3.0	ND<5.0	5.3	ND<2.0	21	30	0.27	NA	NA
D2-01-20211019	10/19/21	1	ND<3.0	ND<5.0	54	ND<2.0	22	5.8	23	41	ND<5.0	17	ND<2.0	23	80	0.13	NA	NA
D2-05-20211019	10/19/21	5	ND<3.0	ND<5.0	57	ND<2.0	9.3	5.3	7.8	ND<3.0	ND<5.0	5.3	ND<2.0	23	29	ND<0.10	NA	NA
D3-01-20211019	10/19/21	1	ND<3.0	ND<5.0	40	ND<2.0	21	4.6	21	26	ND<5.0	20	ND<2.0	18	64	ND<0.10	NA	NA
D3-03-20211019	10/19/21	3	ND<3.0	ND<5.0	39	ND<2.0	8.6	5.2	6.7	4.5	ND<5.0	5.0	ND<2.0	22	34	ND<0.10	NA	NA
E1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	47	ND<2.0	6.6	4.4	5.6	ND<3.0	ND<5.0	3.9	ND<2.0	19	35	0.32	NA	NA
E1-05-20211018	10/18/21	5	ND<3.0	ND<5.0	86	ND<2.0	15	7.7	12	ND<3.0	ND<5.0	8.8	3.5	30	37	ND<0.10	NA	NA
E2-01-20211018	10/18/21	1	ND<3.0	ND<5.0	51	ND<2.0	18	4.6	99	17	ND<5.0	17	ND<2.0	19	64	ND<0.10	NA	NA
E2-03-20211018	10/18/21	3	ND<3.0	ND<5.0	34	ND<2.0	7.4	4.6	4.6	ND<3.0	ND<5.0	4.6	ND<2.0	18	26	ND<0.10	NA	NA
E3-01-20211018	10/18/21	1	ND<3.0	ND<5.0	69	ND<2.0	22	5.8	28	66	ND<5.0	39	ND<2.0	21	120	ND<0.10	12	NA
E3-05-20211018	10/18/21	5	ND<3.0	ND<5.0	36	ND<2.0	7.9	4.3	5.4	ND<3.0	ND<5.0	4.4	ND<2.0	16	25	ND<0.10	NA	NA
F1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	43	ND<2.0	15	4.7	13	38	ND<5.0	12	ND<2.0	18	54	ND<0.10	1.5	NA
F1-03-20211018	10/18/21	3	ND<3.0	ND<5.0	46	ND<2.0	8.0	5.4	6.6	11	ND<5.0	5.2	ND<2.0	21	45	ND<0.10	NA	NA
F2-01-20211018	10/18/21	1	ND<3.0	ND<5.0	79	4.9	45	8.4	200	250	27	47	ND<2.0	17	340	ND<0.10	NA	NA
F2-05-20211018	10/18/21	5	ND<3.0	ND<5.0	43	ND<2.0	9.2	4.7	5.5	ND<3.0	ND<5.0	5.4	ND<2.0	20	25	ND<0.10	NA	NA
F3-01-20211018	10/18/21	1	ND<3.0	ND<5.0	22	ND<2.0	5.5	2.3	13	19	ND<5.0	4.4	2.3	8.8	49	ND<0.10	NA	NA
F3-03-20211018	10/18/21	3	ND<3.0	ND<5.0	50	ND<2.0	8.8	6.1	5.2	ND<3.0	ND<5.0	5.7	ND<2.0	22	35	ND<0.10	NA	NA
G1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	47	ND<2.0	11	5.0	13	50	ND<5.0	8.9	ND<2.0	20	65	ND<0.10	1.3	NA
G1-05-20211018	10/18/21	5	ND<3.0	ND<5.0	23	ND<2.0	4.6	3.5	3.4	ND<3.0	ND<5.0	3.6	ND<2.0	15	18	ND<0.10	NA	NA
G2-01-20211018	10/18/21	1	ND<3.0	ND<5.0	33	ND<2.0	15	3.7	14	11	ND<5.0	16	ND<2.0	17	27	ND<0.10	NA	NA
G2-03-20211018	10/18/21	3	ND<3.0	ND<5.0	56	ND<2.0	39	5.5	23	51	ND<5.0	37	ND<2.0	18	84	ND<0.10	5.7	NA
G3-01-20211018	10/18/21	1	ND<3.0	ND<5.0	10	ND<2.0	41	ND<2.0	17	6.6	110	47	ND<2.0	ND<5.0	4.0	ND<0.10	NA	NA
G3-03-20211018	10/18/21	3	17	ND<5.0	78	6.6	2,100	16	760	730	70	1,400	ND<2.0	9.1	290	ND<0.10	5.3	0.11
H1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	50	ND<2.0	11	5.2	11	17	ND<5.0	8.9	ND<2.0	23	44	ND<0.10	NA	NA
H1-03-20211018	10/18/21	3	ND<3.0	ND<5.0	20	ND<2.0	4.8	4.2	3.4	ND<3.0	ND<5.0	3.0	ND<2.0	15	15	ND<0.10	NA	NA
H2-01-20211018	10/18/21	1	ND<3.0	ND<5.0	62	ND<2.0	230	6.8	56	110	13	290	ND<2.0	16	150	ND<0.10	ND<5.0	ND<0.10
H2-05-20211018	10/18/21	5	ND<3.0	ND<5.0	73	ND<2.0	36	8.2	15	11	7.6	18	ND<2.0	34	51	ND<0.10	NA	NA

**Table 1A
Summary of Soil Analytical Results - Metals**

Sample ID	Sample Date	Depth (Feet)	United States Environmental Protection Agency (USEPA) Test Method 6010B													7471A	6010B	1311
			Antimony mg/kg	Arsenic mg/kg	Barium mg/kg	Cadmium mg/kg	Chromium mg/kg	Cobalt mg/kg	Copper mg/kg	Lead mg/kg	Molybdenum mg/kg	Nickel mg/kg	Silver mg/kg	Vanadium mg/kg	Zinc mg/kg	Mercury mg/kg	STLC Lead mg/L	TCLP Nickel mg/L
Hazardous TTLC Limit for Metals			500	500	10,000	100	2,500	8,000	2,500	1,000	3,500	2,000	500	2,400	5,000	20	5.0	--
H3-01-20211018	10/18/21	1	ND<3.0	ND<5.0	66	ND<2.0	51	5.4	26	22	7.6	62	ND<2.0	17	53	ND<0.10	NA	NA
H3-03-20211018	10/18/21	3	ND<3.0	16	46	ND<2.0	10	5.8	6.7	19	ND<5.0	7.2	ND<2.0	23	47	ND<0.10	NA	NA
I1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	51	ND<2.0	12	5.5	11	9.3	ND<5.0	9.6	ND<2.0	24	35	ND<0.10	NA	NA
I1-05-20211018	10/18/21	5	ND<3.0	ND<5.0	29	ND<2.0	7.3	4.7	6.0	ND<3.0	ND<5.0	4.0	ND<2.0	26	27	ND<0.10	NA	NA
I2-01-20211018	10/18/21	1	ND<3.0	ND<5.0	61	ND<2.0	32	8.2	16	540	ND<5.0	15	ND<2.0	28	100	ND<0.10	1.2	NA
I2-03-20211018	10/18/21	3	ND<3.0	ND<5.0	53	ND<2.0	11	7.5	5.8	ND<3.0	ND<5.0	7.1	ND<2.0	27	41	ND<0.10	NA	NA
I3-01-20211018	10/18/21	1	ND<3.0	ND<5.0	59	ND<2.0	170	6.5	17	580	10	130	ND<2.0	23	130	ND<0.10	22	NA
I3-03-20211018	10/18/21	3	ND<3.0	ND<5.0	57	ND<2.0	9.8	6.3	5.6	ND<3.0	ND<5.0	6.0	ND<2.0	26	36	ND<0.10	NA	NA
I4-01-20211018	10/18/21	1	ND<3.0	ND<5.0	47	ND<2.0	9.3	6.2	8.8	17	ND<5.0	5.7	ND<2.0	26	48	ND<0.10	NA	NA
I4-05-20211018	10/18/21	5	ND<3.0	ND<5.0	62	ND<2.0	11	6.5	7.5	ND<3.0	ND<5.0	6.5	ND<2.0	25	35	ND<0.10	NA	NA
J1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	40	ND<2.0	34	5.0	18	670	ND<5.0	15	ND<2.0	17	210	ND<0.10	ND<5.0	NA
J1-05-20211018	10/18/21	5	ND<3.0	ND<5.0	61	ND<2.0	14	8.0	11	3.8	ND<5.0	8.1	ND<2.0	31	44	ND<0.10	NA	NA
J2-01-20211018	10/18/21	1	ND<3.0	ND<5.0	41	ND<2.0	20	4.9	14	57	ND<5.0	16	ND<2.0	18	52	ND<0.10	3.5	NA
J2-03-20211018	10/18/21	3	ND<3.0	ND<5.0	68	ND<2.0	8.8	5.2	6.8	ND<3.0	ND<5.0	5.1	ND<2.0	20	40	ND<0.10	NA	NA
K1-01-20211018	10/18/21	1	ND<3.0	ND<5.0	33	ND<2.0	8.4	4.0	7.4	61	ND<5.0	5.8	ND<2.0	16	58	ND<0.10	8.2	NA
K1-05-20211018	10/18/21	5	ND<3.0	ND<5.0	32	ND<2.0	8.6	5.4	4.8	ND<3.0	ND<5.0	5.0	ND<2.0	24	28	ND<0.10	NA	NA

Notes:

Units: mg/kg = milligrams per kilogram, ug/kg = micrograms per kilogram, mg/L = milligrams per liter

ND<1.0 = not detected at or above the indicated reporting limit

This table is a summary of analytes detected in soil only. For a complete list of analytes, refer to the laboratory analytical reports

TTLC = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

TCLP = Toxicity Characteristic Leaching Procedure

Table 1B
Summary of Soil Analytical Results - Other Detections

Sample ID	Sample Date	Sample Depth (Feet)	USEPA Test Method 8015B		8082	USEPA Test Method 8260B			United States Environmental Protection Agency (USEPA) Test Method 8270C										
			C13-C28 (DRO)	C29-C40 (MORO)	PCB-1260	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1-Trichloroethane	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Benzo (a) pyrene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Indeno (1,2,3-cd) pyrene	Pyrene	
			ug/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
A1-01-20211019	10/19/21	1	ND<100 R-07	ND<100 R-07	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
A1-05-20211019	10/19/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A2-01-20211019	10/19/21	1	ND<100 R-07	ND<100 R-07	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
A2-03-20211019	10/19/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
A3-01-20211019	10/19/21	1	ND<10	43 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
A3-05-20211019	10/19/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B1-01-20211019	10/19/21	1	ND<100 R-07	ND<100 R-07	ND<10	ND<2.5	ND<2.5	ND<2.5	590	900	410	ND<1000	720	820	ND<300	600	420	840	
B1-03-20211019	10/19/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B2-01-20211019	10/19/21	1	ND<10	ND<10	ND<10	ND<2.5	ND<2.5	ND<2.5	1,700	2,700	1,100	1,600	2,100	2,100	360	2,400	1,300	2,600	
B2-05-20211019	10/19/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B3-01-20211019	10/19/21	1	ND<10	100 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
B3-03-20211019	10/19/21	3	ND<100 R-07	830 D-06	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C1-01-20211019	10/19/21	1	ND<10	46 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
C1-05-20211019	10/19/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C2-01-20211019	10/19/21	1	ND<10	37 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
C2-03-20211019	10/19/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C3-01-20211019	10/19/21	1	ND<10	38 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
C3-03-20211019	10/19/21	3	ND<10	29 D-06	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D1-01-20211019	10/19/21	1	ND<10	ND<10	21	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
D1-03-20211019	10/19/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D2-01-20211019	10/19/21	1	ND<10	44 D-06	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
D2-05-20211019	10/19/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D3-01-20211019	10/19/21	1	ND<10	33 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
D3-03-20211019	10/19/21	3	ND<10	59 D-06	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E1-01-20211018	10/18/21	1	ND<10	42 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
E1-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E2-01-20211018	10/18/21	1	ND<10	ND<10	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
E2-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E3-01-20211018	10/18/21	1	ND<10	ND<10	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
E3-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F1-01-20211018	10/18/21	1	ND<10	ND<10	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
F1-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F2-01-20211018	10/18/21	1	ND<10	97 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
F2-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F3-01-20211018	10/18/21	1	ND<10	ND<10	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	1,100	2,200	850	1,100	1,700	1,600	320	1,100	980	1,500	
F3-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G1-01-20211018	10/18/21	1	ND<10	ND<10	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
G1-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G2-01-20211018	10/18/21	1	ND<100 R-07	1200 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
G2-03-20211018	10/18/21	3	63 D-06	420 D-06	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
G3-01-20211018	10/18/21	1	ND<10	88 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	1,100	2,300	1,400	2,200	2,500	1,400	720	550	2,000	760	
G3-03-20211018	10/18/21	3	ND<10	51 D-06	NA	9.3	2.9	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H1-01-20211018	10/18/21	1	ND<10	35 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
H1-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1B
Summary of Soil Analytical Results - Other Detections

Sample ID	Sample Date	Sample Depth (Feet)	USEPA Test Method 8015B		8082	USEPA Test Method 8260B			United States Environmental Protection Agency (USEPA) Test Method 8270C									
			C13-C28 (DRO)	C29-C40 (MORO)	PCB-1260	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1-Trichloroethane	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (g,h,i) perylene	Benzo (a) pyrene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Indeno (1,2,3-cd) pyrene	Pyrene
			mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
H2-01-20211018	10/18/21	1	ND<10	24 D-06	45	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
H2-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H3-01-20211018	10/18/21	1	380 D-06	2400 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
H3-03-20211018	10/18/21	3	ND<10	33 D-06	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
I1-01-20211018	10/18/21	1	ND<10	47 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
I1-05-20211018	10/18/21	5	11 D-03	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
I2-01-20211018	10/18/21	1	ND<10	ND<10	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
I2-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
I3-01-20211018	10/18/21	1	ND<10	48 D-06	110 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
I3-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
I4-01-20211018	10/18/21	1	ND<10	ND<10	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<300	ND<300	ND<300	ND<1000	ND<300	ND<300	ND<300	ND<300	ND<300	ND<300
I4-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
J1-01-20211018	10/18/21	1	ND<10	16 D-06	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
J1-05-20211018	10/18/21	5	12 D-03	23 D-06	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
J2-01-20211018	10/18/21	1	ND<10	ND<10	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
J2-03-20211018	10/18/21	3	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
K1-01-20211018	10/18/21	1	ND<10	ND<10	ND<100 R-07	ND<2.5	ND<2.5	ND<2.5	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<10000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07	ND<3000 R-07
K1-05-20211018	10/18/21	5	ND<10	ND<10	NA	ND<2.5	ND<2.5	ND<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
Units: mg/kg = milligrams per kilogram, ug/kg = micrograms per kilogram
ND<1.0 = not detected at or above the indicated reporting limit

Qualifier definitions:
D-03 = The result for the hydrocarbon range is due to the presence of a single analyte peak(s) in the quantitation range. It does not resemble the requested pattern.
D-06 = The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
R-07 = Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.

Table 2
Summary of Soil Vapor Analytical Results

		United States Environmental Protection Agency Test Method TO-15 SIM																	
		Results in micrograms per cubic meter (µg/m³)																	
Sample ID	Sample Date	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Difluoroethane	1,2,4-Trimethylbenzene	1,2-Dichloroethane	Acetone	Carbon Disulfide	Chloroform	Cyclohexane	Hexane	Isopropyl alcohol	m,p-Xylene	o-Xylene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane
2019 Commercial ESLs		150,000	260	10,000	--	--	16	4,500,000	--	18	--	--	--	15,000	15,000	67	44,000	100	--
A1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	ND<12	ND<3.2	ND<5.0	ND<3.5	ND<3.6	ND<13	18	5.2	33	120	ND<5.5	ND<5.7
A3	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	31	ND<3.2	ND<5.0	ND<3.5	ND<3.6	ND<13	14	ND<4.4	78	13	ND<5.5	16
B2	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	16	ND<3.2	ND<5.0	ND<3.5	ND<3.6	ND<13	9.5	ND<4.4	47	13	9.6	ND<5.7
C1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	18	3.8	ND<5.0	ND<3.5	ND<3.6	ND<13	ND<8.8	ND<4.4	ND<6.9	13	ND<5.5	ND<5.7
C3	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	5.4	ND<4.1	16	ND<3.2	ND<5.0	ND<3.5	ND<3.6	ND<13	ND<8.8	ND<4.4	ND<6.9	10	ND<5.5	ND<5.7
D2	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	34	ND<3.2	ND<5.0	ND<3.5	ND<3.6	ND<13	ND<8.8	ND<4.4	10	15	ND<5.5	ND<5.7
E1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	ND<12	ND<3.2	ND<5.0	15	ND<3.6	ND<13	ND<8.8	ND<4.4	11	7.0	ND<5.5	ND<5.7
E3	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	ND<12	ND<3.2	ND<5.0	7.8	ND<3.6	ND<13	ND<8.8	ND<4.4	7.2	5.7	ND<5.5	ND<5.7
F2	10/21/2021	ND<5.6	ND<4.1	ND<4.0	37	17	ND<4.1	14	ND<3.2	ND<5.0	8.9	4.7	13	ND<8.8	ND<4.4	ND<6.9	21	7.3	ND<5.7
G1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	ND<12	ND<3.2	6.6	10	ND<3.6	ND<13	ND<8.8	ND<4.4	200	ND<3.8	ND<5.5	ND<5.7
DUP-1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	19	ND<3.2	ND<5.0	8.7	ND<3.6	ND<13	ND<8.8	ND<4.4	180	10	ND<5.5	ND<5.7
G3	10/21/2021	52000	3900	980	ND<270	ND<250	220	ND<120	ND<160	ND<250	ND<170	ND<180	ND<130	ND<220	ND<220	ND<350	ND<190	ND<270	ND<290
H2	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	7.6	ND<4.1	ND<12	ND<3.2	ND<5.0	8.4	ND<3.6	ND<13	11	6.3	320	8.7	ND<5.5	ND<5.7
I1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	ND<12	ND<3.2	ND<5.0	5.5	ND<3.6	ND<13	ND<8.8	ND<4.4	32	11	ND<5.5	ND<5.7
I4	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	13	ND<3.2	ND<5.0	ND<3.5	ND<3.6	ND<13	ND<8.8	ND<4.4	ND<6.9	7.8	ND<5.5	ND<5.7
J1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	16	ND<3.2	ND<5.0	5.1	ND<3.6	ND<13	ND<8.8	ND<4.4	20	8.3	ND<5.5	ND<5.7
K1	10/21/2021	ND<5.6	ND<4.1	ND<4.0	ND<27	ND<5.0	ND<4.1	26	ND<3.2	ND<5.0	8.2	ND<3.6	ND<13	ND<8.8	ND<4.4	14	5.8	ND<5.5	ND<5.7

Notes:

Results in micrograms per cubic meter (µg/m³)

Screening levels from the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for Commercial/Industrial Soil Gas (2019, Revision 2)

 = Concentration exceeds the associated screening value.

ND< = Analyte not detected at or above the indicated reporting limit.

This table presents a summary of analytes detected in soil vapor. For a complete list of analytes, refer to the laboratory analytical report.

ATTACHMENT A

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/19/21</u> COMPLETED <u>10/19/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			ML		0.0 SANDY SILT (ML), grayish-brown, some very fine-grained sand, soft, dry, with slight dilatancy and low plasticity		
1.5			SM		1.5 SILTY SAND (SM), grayish-brown, very fine-grained sand, some silt, loose, dry		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0							Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5	~75% Recovery				-oxidation throughout, slight dilatancy, decrease in silt content from approximately 6 to 8.5 feet bgs	0	Hydrated Bentonite
10.0					-very fine-grained sand, 3-inch increase in silt content at approximately 8 feet bgs -very dark grayish-brown, very fine-grained to very coarse-grained sand, trace pebbles (up to approximately 4-mm diameter) from approximately 8.5 to 9 feet bgs		
					Bottom of boring at 10.0 feet bgs.		

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/19/21 COMPLETED 10/19/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), brown, very fine-grained to fine-grained sand, some silt, loose, dry		
2.5			ML		3.0 SANDY SILT (ML), dark grayish-brown, very fine-grained sand, loose, dry, with slight dilatancy and low plasticity	0	
5.0					-very fine-grained to fine-grained sand, increase in sand content from approximately 6 to 7 feet bgs -increase in silt content from approximately 7 to 8 feet bgs	0	
7.5			SM		8.0 SILTY SAND (SM), dark yellowish-brown, very fine-grained to fine-grained sand, some silt, loose, dry, with oxidation and slight dilatancy		
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/19/21 COMPLETED 10/19/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~50% Recovery		SM		0.0 SILTY SAND (SM), dark gray, very fine-grained to coarse-grained sand, trace very coarse-grained sand, trace pebbles (up to approximately 15-mm diameter), loose, dry, with slight dilatancy and increase in silt with depth	0	Hydrated Bentonite
5.0							
7.5	~60% Recovery				-very fine-grained sand, low plasticity, oxidation throughout from approximately 6 to 9 feet bgs	0	Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
10.0					-slight increase in sand content from approximately 8.5 to 9 feet bgs		Hydrated Bentonite
					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC **PROJECT NAME** Arrowhead
PROJECT NUMBER _____ **PROJECT LOCATION** 119 South Arrowhead Avenue, San Bernardino, CA
DATE STARTED 10/19/21 **COMPLETED** 10/19/21 **GROUND ELEVATION** _____ **BOREHOLE DIAMETER** 2.25"
DRILLING CONTRACTOR M&R Drilling **GROUND WATER LEVELS:**
DRILLING METHOD Direct Push Rig **AT TIME OF DRILLING** ---
LOGGED BY K. McFadden **CHECKED BY** Melissa Robinson **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), dark grayish-brown, very fine-grained to fine-grained sand, trace very coarse-grained to coarse-grained sand, loose, dry		
2.5					-olive brown, slight dilatancy from approximately 4.5 to 5 feet bgs	0	
5.0			ML		6.0 SANDY SILT (ML), dark grayish-brown, very fine-grained sand, some sand, soft, dry; slight dilatancy, slight plasticity, oxidation		
7.5			SM		7.0 SILTY SAND (SM), olive brown, very fine-grained to fine-grained sand, some silt, loose, dry, with slight dilatancy	0	
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/19/21</u> COMPLETED <u>10/19/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		<p>0.0 SILTY SAND (SM), grayish-brown, very fine-grained to fine-grained sand, loose to medium dense, dry, with slight dilatancy</p> <p>-slight increase in sand content at approximately 4.5 feet bgs</p> <p>-dark yellowish-brown, some silt, heavy oxidation from approximately 6 to 7 feet bgs</p> <p>-brown, little fine-grained sand, some silt from approximately 7 to 9 feet bgs</p> <p>-oxidation from approximately 8 to 9 feet bgs</p> <p>Bottom of boring at 10.0 feet bgs.</p>	0	<p>Hydrated Bentonite</p> <p>Dry Granular Bentonite</p> <p>#3 Monterey Sand</p> <p>1.75" Soil Vapor Probe Tip</p> <p>Hydrated Bentonite</p>
2.5							
5.0							
7.5							
10.0							

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 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), very dark grayish-brown, very fine-grained to medium-grained sand, trace very fine-grained sand, loose, dry		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0					-brown, very fine-grained to fine-grained sand, slight dilatancy from approximately 4 to 4.5 feet bgs -very fine-grained sand, trace clay, slight dilatancy from approximately 4.5 to 5 feet bgs		
7.5	~50% Recovery				-decrease in clay content from approximately 6 to 7.5 feet bgs		
10.0					-increase in clay content from approximately 7.5 to 8.5 feet bgs -some silt, slight dilatancy throughout from approximately 8.5 to 9 feet bgs	0	
					Bottom of boring at 10.0 feet bgs.		

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 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/19/21 COMPLETED 10/19/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), dark yellowish-brown, very fine-grained to fine-grained sand, some silt, loose, dry, with slight dilatancy		
2.5						0	
5.0							
7.5					-very dark grayish-brown, very fine-grained to coarse-grained sand, decrease in silt content, slight oxidation throughout from approximately 7 to 9 feet bgs -trace gravel (up to approximately 2 to 15-mm diameter) from approximately 8 to 9 feet bgs	0	
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
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 DATE STARTED 10/19/21 COMPLETED 10/19/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), dark yellowish-brown, very fine-grained to fine-grained sand, some silt, loose, dry, with slight dilatancy		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0					-decrease in silt content from approximately 6 to 7 feet bgs		
7.5	~75% Recovery				-very fine-grained sand, increase in silt content from approximately 7 to 7.5 feet bgs -very dark grayish-brown, very fine-grained to very coarse-grained sand, trace gravel (up to approximately 2 to 10-mm diameter), oxidation throughout from approximately 7.5 to 9 feet bgs	0	
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/19/21 COMPLETED 10/19/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), very dark grayish-brown, very fine-grained to medium-grained sand, trace coarse-grained to very coarse-grained sand, trace sub-rounded pebbles (up to approximately 2 to 10-mm diameter), loose, dry		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0							Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5	~20% Recovery					0	Hydrated Bentonite
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC	PROJECT NAME Arrowhead
PROJECT NUMBER	PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
DATE STARTED 10/19/21	COMPLETED 10/19/21
DRILLING CONTRACTOR M&R Drilling	GROUND ELEVATION
DRILLING METHOD Direct Push Rig	BOREHOLE DIAMETER 2.25"
LOGGED BY K. McFadden	CHECKED BY Melissa Robinson
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING ---
	AT END OF DRILLING ---
	AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), grayish-brown, very fine-grained to medium-grained sand, some silt, loose, dry, with slight dilatancy		
2.5	~75% Recovery					0	Hydrated Bentonite
5.0					-fine-grained sand from approximately 6 to 7 feet bgs		
7.5	~75% Recovery				-dark yellowish-brown, medium-grained sand, trace coarse-grained to very coarse-grained sand, heavy oxidation throughout from approximately 7 to 8 feet bgs	0	
10.0					-dark yellowish-brown, very fine-grained sand, increase in silt content, oxidation throughout from approximately 8 to 8.5 feet bgs -very fine-grained to very coarse-grained sand, decrease in silt content to little silt, no dilatancy from approximately 8.5 to 9 feet bgs		
					Bottom of boring at 10.0 feet bgs.		

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/19/21 COMPLETED 10/19/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), brown, fine-grained to medium-grained, trace very fine-grained to coarse-grained sand, trace sub-angular pebbles (up to approximately 2 to 10-mm diameter), loose, dry		
2.5						0	Hydrated Bentonite
5.0							Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5					-increase in very fine-grained to fine-grained sand, increase in silt content from approximately 6 to 6.5 feet bgs -increase in fine-grained to medium-grained sand, decrease in silt content from approximately 6.5 to 7.5 feet bgs		
10.0					-brown, decrease in very fine-grained sand, increase in silt content, slight dilatancy from approximately 7.5 to 9 feet bgs	0	Hydrated Bentonite
					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/19/21</u> COMPLETED <u>10/19/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~50% Recovery		SM		0.0 SILTY SAND (SM), dark brown, very fine-grained to fine-grained sand, loose, dry	0	
5.0							
7.5	~60% Recovery				-brown, increase in silt content, slight dilatancy, from approximately 6 to 7 feet bgs; increase in sand content and decrease in dilatancy with depth	0	
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/19/21</u> COMPLETED <u>10/19/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0					0.0 SILTY SAND (SM), brown, very fine-grained to fine-grained sand, some silt, loose, dry		
2.5	~50% Recovery		SM			0	Hydrated Bentonite
5.0					-oxidation from approximately 5 to 8 feet bgs		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5					-increase in silt content from approximately 7.5 to 8.5 feet bgs	0	Hydrated Bentonite
10.0					-decrease in silt content, oxidation from approximately 9.5 to 10 feet bgs Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/19/21</u> COMPLETED <u>10/19/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM	
0.0			SM		0.0 SILTY SAND (SM), dark grayish-brown, very fine-grained to very coarse-grained sand, little silt, trace pebbles (up to approximately 2 to 5-mm diameter), loose, dry			
2.5						0		
5.0					-very fine-grained sand, increase in silt content, slight dilatancy from approximately 5 to 7 feet bgs; decrease in silt content with depth			Hydrated Bentonite
7.5					-fine-grained sand, some silt, trace granules (up to approximately 4-mm diameter) at approximately 7 feet bgs	0		
10.0					Bottom of boring at 10.0 feet bgs.			

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~75% Recovery		SM		0.0 SILTY SAND (SM), dark brown, very fine-grained to very coarse-grained sand, some silt, trace granules (up to approximately 2 to 7-mm diameter), loose, dry, with slight dilatancy	0	Hydrated Bentonite
5.0					-little silt, very fine-grained to very coarse-grained sand, some sub-angular granules (up to approximately 2 to 20-mm diameter) from approximately 4 to 5 feet bgs		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5	~75% Recovery				-very fine-grained to medium-grained to coarse-grained to very coarse-grained sand, little silt, trace gravel (up to approximately 2 to 20-mm diameter) from approximately 6 to 6.5 feet bgs -brown, very fine-grained to very coarse-grained sand, some silt, trace granules (up to approximately 2 to 7-mm diameter), slight dilatancy from approximately 6.5 to 7 feet bgs	0	Hydrated Bentonite
10.0					-yellowish-brown, increase in medium-grained to coarse-grained sand, little silt, some sub-angular gravel (up to approximately 2 to 10-mm diameter), slight dilatancy from approximately 7 to 10 feet bgs		
					Bottom of boring at 10.0 feet bgs.		

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/18/21</u> COMPLETED <u>10/18/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), very dark grayish-brown, fine-grained sand, trace very fine-grained to very coarse-grained sand, some silt, loose, dry	0	
2.5							
5.0							
6.0			SP		6.0 SAND WITH GRAVEL (SP), olive brown, trace silt, sub-angular gravel (up to approximately 2 to 10-mm diameter), loose, dry		
7.5			SM		7.0 SILTY SAND (SM), very dark grayish-brown, medium-grained sand, trace very fine-grained to fine-grained to very coarse-grained sand, some silt, loose, dry	0	
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), dark grayish-brown, very fine-grained to medium-grained sand, loose, dry, with slight dilatancy		
2.5						0	Hydrated Bentonite
5.0					-some silt from approximately 5 to 7 feet bgs		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5					-very fine-grained sand from approximately 7 to 9 feet bgs	0	Hydrated Bentonite
10.0					-oxidation strip at approximately 8.5 feet bgs		
					Bottom of boring at 10.0 feet bgs.		

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 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

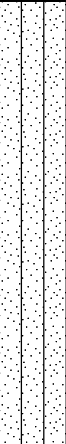
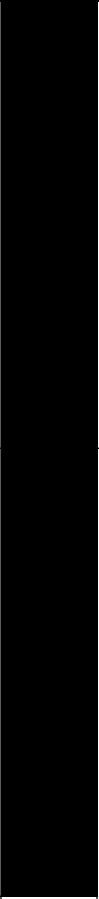

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), grayish-brown, very fine-grained sand, some silt, loose, dry, with slight dilatancy		
2.5						0	
5.0					-increase in silt content, some oxidation from approximately 5 to 6 feet bgs		
7.5					-grayish-brown, very fine-grained to medium-grained sand at approximately 8.5 feet bgs	0	
10.0					Bottom of boring at 10.0 feet bgs.		

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 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), dark grayish-brown, very fine-grained to coarse-grained sand, trace granules (up to approximately 4-mm diameter), loose, dry		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0			SP		5.0 SAND WITH GRAVEL (SP), dark yellowish-brown, very fine-grained to coarse-grained sand, gravel and pebbles (up to approximately 2 to 20-mm diameter), trace silt, loose, dry		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5	~50% Recovery					0	Hydrated Bentonite
10.0					Bottom of boring at 10.0 feet bgs.		

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 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~50% Recovery		SM		0.0 SILTY SAND WITH GRAVEL (SM), very dark grayish-brown, medium-grained to fine-grained sand, trace very fine-grained to very coarse-grained sand, some silt, gravel to pebbles (up to approximately 4 to 20-mm diameter), loose, dry	0	
5.0			SP		5.0 SAND (SP), brown, medium-grained sand, trace very fine-grained to very coarse-grained sand, trace silt, loose, dry	0	
7.5	~75% Recovery				-little pebbles (up to approximately 2 to 15-mm diameter) from approximately 8.5 to 10 feet bgs		
10.0					Bottom of boring at 10.0 feet bgs.		

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 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~80% Recovery		SM		0.0 SILTY SAND (SM), very dark gray to orange, very fine-grained to fine-grained sand, loose to dense, dry, with slight dilatancy; increase in silt with depth -brown; dark shiny like mineral from approximately 4 to 5 feet bgs -yellowish-brown, very fine-grained to medium-grained sand, increase in sand content, loose, slight dilatancy, slight oxidation throughout from approximately 5 to 10 feet bgs	0	Hydrated Bentonite Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
5.0							
7.5						0	Hydrated Bentonite
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/18/21</u> COMPLETED <u>10/18/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SP		0.0 SAND (SP), grayish-brown, very fine-grained to coarse-grained sand, trace silt, trace pebbles (up to approximately 2 to 5-mm diameter), very loose, dry		
2.5	~75% Recovery					0	Hydrated Bentonite
5.0							
7.5	~75% Recovery				-brown, medium-grained sand, trace fine-grained to coarse-grained to very coarse-grained sand, little granules (up to approximately 2 to 5-mm diameter) from approximately 6 to 6.5 feet bgs -coarse-grained sand, trace medium-grained to very coarse-grained sand, little pebbles (up to approximately 2 to 10-mm diameter) from approximately 7 to 10 feet bgs	0	
10.0					Bottom of boring at 10.0 feet bgs.		

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 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~75% Recovery		SM		0.0 SILTY SAND (SM), light yellowish-brown, very fine-grained sand, little silt, loose, dry, with slight dilatancy; increase in silt from approximately 0 to 8.5 feet bgs	0	Hydrated Bentonite
5.0					-slight oxidation from approximately 5 to 10 feet bgs		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5	~80% Recovery				-decrease in silt content at approximately 8.5 feet bgs	0	Hydrated Bentonite
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), grayish-brown, very fine-grained to fine-grained sand, loose, dry, with slight dilatancy		
2.5						0	
5.0					-yellowish-brown, increase in silt content, trace clay, trace pebbles (up to approximately 5 to 10-mm diameter), slight plasticity from approximately 5 to 6 feet bgs		
7.5						0	
10.0					-light olive brown, sand fines to very fine-grained sand, decrease in clay content, increase in silt content from approximately 8 to 10 feet bgs		
					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), light olive brown, very fine-grained to fine-grained sand, trace medium-grained sand, loose, dry		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0					-slight oxidation from approximately 4.5 to 6.25 feet bgs		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.0			ML		-3-inch lens of yellowish-brown, very fine-grained to medium-grained sand at approximately 6.5 feet bgs		
7.5			SM		7.5 SANDY SILT (ML), dark yellowish-brown, soft, dry; slight dilatancy, slight plasticity, oxidation	0	Hydrated Bentonite
10.0					SILTY SAND (SM), grayish-brown, very fine-grained to fine-grained sand, loose, dry, with slight dilatancy and oxidation throughout		
					Bottom of boring at 10.0 feet bgs.		

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/18/21</u> COMPLETED <u>10/18/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0					0.0 SILTY SAND (SM), dark grayish-brown, very fine-grained to fine-grained sand, loose, dry, with slight dilatancy		
2.5	~50% Recovery			SM		0	Hydrated Bentonite
5.0					-increase in silt content with depth from approximately 6 to 8.5 feet bgs		
7.5	~75% Recovery				-oxidation from approximately 7.5 to 8.5 feet bgs	0	
8.5				SP	-olive brown, little medium-grained to coarse-grained to very coarse-grained sand, trace clay from approximately 8 to 8.5 feet bgs		
10.0					SAND (SP), grayish-brown, very fine-grained to very coarse-grained sand, trace silt, very loose, dry		
					Bottom of boring at 10.0 feet bgs.		

CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/18/21</u> COMPLETED <u>10/18/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			SM		0.0 SILTY SAND (SM), grayish-brown, very fine-grained to fine-grained sand, loose, dry, with slight dilatancy		
2.5	~50% Recovery					0	Hydrated Bentonite
5.0					-very fine-grained sand from approximately 6 to 9 feet bgs -increase in silt content from approximately 6.5 to 7 feet bgs		
7.5	~75% Recovery					0	
10.0					-dark grayish-brown, decrease in silt content, increase in sand content from approximately 9 to 9.5 feet bgs		
					Bottom of boring at 10.0 feet bgs.		

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~50% Recovery		SM		0.0 SILTY SAND (SM), brown, very fine-grained to fine-grained sand, loose, dry, with slight dilatancy	0	Hydrated Bentonite
5.0							
7.5	~75% Recovery				-very fine-grained sand, very loose, increase in silt content, slight dilatancy, oxidation throughout from approximately 5 to 10 feet bgs	0	Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
10.0					Bottom of boring at 10.0 feet bgs.		Hydrated Bentonite

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC	PROJECT NAME Arrowhead
PROJECT NUMBER	PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
DATE STARTED 10/18/21	COMPLETED 10/18/21
DRILLING CONTRACTOR M&R Drilling	GROUND ELEVATION
DRILLING METHOD Direct Push Rig	BOREHOLE DIAMETER 2.25"
LOGGED BY K. McFadden	CHECKED BY Melissa Robinson
NOTES	GROUND WATER LEVELS:
	AT TIME OF DRILLING ---
	AT END OF DRILLING ---
	AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~50% Recovery		SM		0.0 SILT SAND (SM), brown, very fine-grained to fine-grained sand, loose, dry, with slight dilatancy	0	Hydrated Bentonite
5.0							Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5	~75% Recovery				-yellowish-brown, very fine-grained to medium-grained sand, very loose at approximately 6 feet bgs -dark grayish-brown, increase in silt content from approximately 7 to 7.5 feet bgs -trace coarse-grained sand, decrease in silt content from approximately 7.5 to 9 feet bgs -oxidation from approximately 8 to 9 feet bgs	0	Hydrated Bentonite
10.0					Bottom of boring at 10.0 feet bgs.		



CLIENT <u>HMC</u>	PROJECT NAME <u>Arrowhead</u>
PROJECT NUMBER _____	PROJECT LOCATION <u>119 South Arrowhead Avenue, San Bernardino, CA</u>
DATE STARTED <u>10/18/21</u> COMPLETED <u>10/18/21</u>	GROUND ELEVATION _____ BOREHOLE DIAMETER <u>2.25"</u>
DRILLING CONTRACTOR <u>M&R Drilling</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Direct Push Rig</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>K. McFadden</u> CHECKED BY <u>Melissa Robinson</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0			ML		0.0 SANDY SILT (ML), dark grayish-brown, very fine-grained to fine-grained sand, some sand, soft, dry, with slight plasticity		
2.5	~50% Recovery					0	
5.0			SM		5.0 SILTY SAND (SM), yellowish-brown, very fine-grained to fine-grained sand, medium dense, dry		
7.5	~80% Recovery				-brown, fine-grained to medium-grained sand, some silt at approximately 7 feet bgs	0	
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

CLIENT HMC PROJECT NAME Arrowhead
 PROJECT NUMBER _____ PROJECT LOCATION 119 South Arrowhead Avenue, San Bernardino, CA
 DATE STARTED 10/18/21 COMPLETED 10/18/21 GROUND ELEVATION _____ BOREHOLE DIAMETER 2.25"
 DRILLING CONTRACTOR M&R Drilling GROUND WATER LEVELS:
 DRILLING METHOD Direct Push Rig AT TIME OF DRILLING ---
 LOGGED BY K. McFadden CHECKED BY Melissa Robinson AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE NOTES	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.0							
2.5	~50% Recovery		ML		0.0 SANDY SILT (ML), very dark grayish-brown, very fine-grained to medium-grained sand, some sand, soft, dry, with slight dilatancy	0	Hydrated Bentonite
5.0			SM		5.0 SILTY SAND (SM), brown, very fine-grained to fine-grained sand, loose, dry		Dry Granular Bentonite #3 Monterey Sand 1.75" Soil Vapor Probe Tip
7.5					-increase in sand content, some silt, oxidation at approximately 7 feet bgs	0	Hydrated Bentonite
10.0					Bottom of boring at 10.0 feet bgs.		

ENVIRONMENTAL BH_ARROWHEAD.GPJ GINT US.GDT 11/4/21

ATTACHMENT B



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

27 October 2021

Melissa Robinson
Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente, CA 92673
RE: HMC Arrowhead

Enclosed are the results of analyses for samples received by the laboratory on 10/19/21 13:42. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin For Mike Jaroudi
Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A1-01-20211019	T213165-01	Soil	10/19/21 10:40	10/19/21 13:42
A1-05-20211019	T213165-02	Soil	10/19/21 10:42	10/19/21 13:42
A2-01-20211019	T213165-03	Soil	10/19/21 10:57	10/19/21 13:42
A2-03-20211019	T213165-04	Soil	10/19/21 10:58	10/19/21 13:42
A3-01-20211019	T213165-05	Soil	10/19/21 11:15	10/19/21 13:42
A3-05-20211019	T213165-06	Soil	10/19/21 11:17	10/19/21 13:42
B1-01-20211019	T213165-07	Soil	10/19/21 10:23	10/19/21 13:42
B1-03-20211019	T213165-08	Soil	10/19/21 10:24	10/19/21 13:42
B2-01-20211019	T213165-09	Soil	10/19/21 10:03	10/19/21 13:42
B2-05-20211019	T213165-10	Soil	10/19/21 10:05	10/19/21 13:42
B3-01-20211019	T213165-11	Soil	10/19/21 09:41	10/19/21 13:42
B3-03-20211019	T213165-12	Soil	10/19/21 09:42	10/19/21 13:42
C1-01-20211019	T213165-13	Soil	10/19/21 08:30	10/19/21 13:42
C1-05-20211019	T213165-14	Soil	10/19/21 08:32	10/19/21 13:42
C2-01-20211019	T213165-15	Soil	10/19/21 08:44	10/19/21 13:42
C2-03-20211019	T213165-16	Soil	10/19/21 08:45	10/19/21 13:42
C3-01-20211019	T213165-33	Soil	10/19/21 09:03	10/19/21 13:42
C3-03-20211019	T213165-34	Soil	10/19/21 09:04	10/19/21 13:42
D1-01-20211019	T213165-35	Soil	10/19/21 08:10	10/19/21 13:42
D1-03-20211019	T213165-36	Soil	10/19/21 08:11	10/19/21 13:42
D2-01-20211019	T213165-37	Soil	10/19/21 07:52	10/19/21 13:42
D2-05-20211019	T213165-38	Soil	10/19/21 07:54	10/19/21 13:42
D3-01-20211019	T213165-39	Soil	10/19/21 07:35	10/19/21 13:42
D3-03-20211019	T213165-40	Soil	10/19/21 07:36	10/19/21 13:42
E1-01-20211018	T213165-41	Soil	10/18/21 14:30	10/19/21 13:42
E1-05-20211018	T213165-42	Soil	10/18/21 14:32	10/19/21 13:42

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Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
---	---	-----------------------------

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E2-01-20211018	T213165-43	Soil	10/18/21 14:46	10/19/21 13:42
E2-03-20211018	T213165-44	Soil	10/18/21 14:47	10/19/21 13:42
E3-01-20211018	T213165-45	Soil	10/18/21 15:04	10/19/21 13:42
E3-05-20211018	T213165-46	Soil	10/18/21 15:06	10/19/21 13:42
F1-01-20211018	T213165-47	Soil	10/18/21 13:55	10/19/21 13:42
F1-03-20211018	T213165-48	Soil	10/18/21 13:56	10/19/21 13:42

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

DETECTIONS SUMMARY

Sample ID: A1-01-20211019

Laboratory ID: T213165-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	46	1.0	mg/kg	EPA 6010b	
Chromium	16	2.0	mg/kg	EPA 6010b	
Cobalt	5.0	2.0	mg/kg	EPA 6010b	
Copper	16	1.0	mg/kg	EPA 6010b	
Lead	32	3.0	mg/kg	EPA 6010b	
Nickel	14	2.0	mg/kg	EPA 6010b	
Vanadium	20	5.0	mg/kg	EPA 6010b	
Zinc	63	1.0	mg/kg	EPA 6010b	

Sample ID: A1-05-20211019

Laboratory ID: T213165-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	78	1.0	mg/kg	EPA 6010b	
Chromium	25	2.0	mg/kg	EPA 6010b	
Cobalt	8.6	2.0	mg/kg	EPA 6010b	
Copper	12	1.0	mg/kg	EPA 6010b	
Nickel	12	2.0	mg/kg	EPA 6010b	
Vanadium	29	5.0	mg/kg	EPA 6010b	
Zinc	51	1.0	mg/kg	EPA 6010b	

Sample ID: A2-01-20211019

Laboratory ID: T213165-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Silver	2.7	2.0	mg/kg	EPA 6010b	
Barium	44	1.0	mg/kg	EPA 6010b	
Chromium	29	2.0	mg/kg	EPA 6010b	
Cobalt	4.9	2.0	mg/kg	EPA 6010b	
Copper	20	1.0	mg/kg	EPA 6010b	
Lead	23	3.0	mg/kg	EPA 6010b	
Nickel	24	2.0	mg/kg	EPA 6010b	
Vanadium	20	5.0	mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: A2-01-20211019

Laboratory ID: T213165-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Zinc	59	1.0		mg/kg	EPA 6010b	

Sample ID: A2-03-20211019

Laboratory ID: T213165-04

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	24	1.0		mg/kg	EPA 6010b	
Chromium	4.6	2.0		mg/kg	EPA 6010b	
Cobalt	3.4	2.0		mg/kg	EPA 6010b	
Copper	2.7	1.0		mg/kg	EPA 6010b	
Nickel	2.8	2.0		mg/kg	EPA 6010b	
Vanadium	15	5.0		mg/kg	EPA 6010b	
Zinc	21	1.0		mg/kg	EPA 6010b	

Sample ID: A3-01-20211019

Laboratory ID: T213165-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	43	10		mg/kg	EPA 8015B	D-06
Barium	45	1.0		mg/kg	EPA 6010b	
Chromium	23	2.0		mg/kg	EPA 6010b	
Cobalt	4.7	2.0		mg/kg	EPA 6010b	
Copper	16	1.0		mg/kg	EPA 6010b	
Lead	24	3.0		mg/kg	EPA 6010b	
Nickel	23	2.0		mg/kg	EPA 6010b	
Vanadium	19	5.0		mg/kg	EPA 6010b	
Zinc	71	1.0		mg/kg	EPA 6010b	

Sample ID: A3-05-20211019

Laboratory ID: T213165-06

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	57	1.0		mg/kg	EPA 6010b	
Chromium	12	2.0		mg/kg	EPA 6010b	
Cobalt	7.2	2.0		mg/kg	EPA 6010b	
Copper	7.3	1.0		mg/kg	EPA 6010b	
Lead	7.0	3.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: A3-05-20211019

Laboratory ID: T213165-06

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Nickel	7.7	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	
Zinc	45	1.0		mg/kg	EPA 6010b	

Sample ID: B1-01-20211019

Laboratory ID: T213165-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	52	1.0		mg/kg	EPA 6010b	
Chromium	19	2.0		mg/kg	EPA 6010b	
Cobalt	5.6	2.0		mg/kg	EPA 6010b	
Copper	9.4	1.0		mg/kg	EPA 6010b	
Lead	4.8	3.0		mg/kg	EPA 6010b	
Nickel	18	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	
Zinc	31	1.0		mg/kg	EPA 6010b	
Benzo (a) anthracene	590	300		ug/kg	EPA 8270C	
Benzo (b) fluoranthene	900	300		ug/kg	EPA 8270C	
Benzo (k) fluoranthene	410	300		ug/kg	EPA 8270C	
Benzo (a) pyrene	720	300		ug/kg	EPA 8270C	
Chrysene	820	300		ug/kg	EPA 8270C	
Fluoranthene	600	300		ug/kg	EPA 8270C	
Indeno (1,2,3-cd) pyrene	420	300		ug/kg	EPA 8270C	
Pyrene	840	300		ug/kg	EPA 8270C	

Sample ID: B1-03-20211019

Laboratory ID: T213165-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	61	1.0		mg/kg	EPA 6010b	
Chromium	170	2.0		mg/kg	EPA 6010b	
Cobalt	5.5	2.0		mg/kg	EPA 6010b	
Copper	23	1.0		mg/kg	EPA 6010b	
Lead	7.8	3.0		mg/kg	EPA 6010b	
Molybdenum	9.6	5.0		mg/kg	EPA 6010b	
Nickel	120	2.0		mg/kg	EPA 6010b	
Vanadium	17	5.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
 1311 Calle Batido, Suite 260
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Sample ID: B1-03-20211019

Laboratory ID: T213165-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Zinc	39	1.0	mg/kg	EPA 6010b	

Sample ID: B2-01-20211019

Laboratory ID: T213165-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	36	1.0	mg/kg	EPA 6010b	
Chromium	8.0	2.0	mg/kg	EPA 6010b	
Cobalt	4.0	2.0	mg/kg	EPA 6010b	
Copper	11	1.0	mg/kg	EPA 6010b	
Lead	23	3.0	mg/kg	EPA 6010b	
Nickel	6.2	2.0	mg/kg	EPA 6010b	
Vanadium	18	5.0	mg/kg	EPA 6010b	
Zinc	40	1.0	mg/kg	EPA 6010b	
Benzo (a) anthracene	1700	300	ug/kg	EPA 8270C	
Benzo (b) fluoranthene	2700	300	ug/kg	EPA 8270C	
Benzo (k) fluoranthene	1100	300	ug/kg	EPA 8270C	
Benzo (g,h,i) perylene	1600	1000	ug/kg	EPA 8270C	
Benzo (a) pyrene	2100	300	ug/kg	EPA 8270C	
Chrysene	2100	300	ug/kg	EPA 8270C	
Dibenz (a,h) anthracene	360	300	ug/kg	EPA 8270C	
Fluoranthene	2400	300	ug/kg	EPA 8270C	
Indeno (1,2,3-cd) pyrene	1300	300	ug/kg	EPA 8270C	
Pyrene	2600	300	ug/kg	EPA 8270C	

Sample ID: B2-05-20211019

Laboratory ID: T213165-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	55	1.0	mg/kg	EPA 6010b	
Chromium	9.6	2.0	mg/kg	EPA 6010b	
Cobalt	5.7	2.0	mg/kg	EPA 6010b	
Copper	6.6	1.0	mg/kg	EPA 6010b	
Nickel	5.5	2.0	mg/kg	EPA 6010b	
Vanadium	22	5.0	mg/kg	EPA 6010b	
Zinc	30	1.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: B3-01-20211019

Laboratory ID: T213165-11

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	100	10		mg/kg	EPA 8015B	D-06
Barium	51	1.0		mg/kg	EPA 6010b	
Chromium	26	2.0		mg/kg	EPA 6010b	
Cobalt	4.6	2.0		mg/kg	EPA 6010b	
Copper	14	1.0		mg/kg	EPA 6010b	
Lead	18	3.0		mg/kg	EPA 6010b	
Nickel	47	2.0		mg/kg	EPA 6010b	
Vanadium	20	5.0		mg/kg	EPA 6010b	
Zinc	62	1.0		mg/kg	EPA 6010b	

Sample ID: B3-03-20211019

Laboratory ID: T213165-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	830	100		mg/kg	EPA 8015B	D-06
Barium	51	1.0		mg/kg	EPA 6010b	
Chromium	110	2.0		mg/kg	EPA 6010b	
Cobalt	5.1	2.0		mg/kg	EPA 6010b	
Copper	17	1.0		mg/kg	EPA 6010b	
Lead	20	3.0		mg/kg	EPA 6010b	
Molybdenum	15	5.0		mg/kg	EPA 6010b	
Nickel	80	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	61	1.0		mg/kg	EPA 6010b	

Sample ID: C1-01-20211019

Laboratory ID: T213165-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	46	10		mg/kg	EPA 8015B	D-06
Barium	48	1.0		mg/kg	EPA 6010b	
Chromium	9.5	2.0		mg/kg	EPA 6010b	
Cobalt	6.0	2.0		mg/kg	EPA 6010b	
Copper	5.1	1.0		mg/kg	EPA 6010b	
Nickel	5.9	2.0		mg/kg	EPA 6010b	
Vanadium	23	5.0		mg/kg	EPA 6010b	
Zinc	37	1.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: C1-05-20211019

Laboratory ID: T213165-14

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	52	1.0		mg/kg	EPA 6010b	
Chromium	6.9	2.0		mg/kg	EPA 6010b	
Cobalt	5.7	2.0		mg/kg	EPA 6010b	
Copper	5.8	1.0		mg/kg	EPA 6010b	
Nickel	4.1	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	42	1.0		mg/kg	EPA 6010b	

Sample ID: C2-01-20211019

Laboratory ID: T213165-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	37	10		mg/kg	EPA 8015B	D-06
Barium	39	1.0		mg/kg	EPA 6010b	
Chromium	6.8	2.0		mg/kg	EPA 6010b	
Cobalt	5.2	2.0		mg/kg	EPA 6010b	
Copper	5.7	1.0		mg/kg	EPA 6010b	
Nickel	4.2	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	36	1.0		mg/kg	EPA 6010b	

Sample ID: C2-03-20211019

Laboratory ID: T213165-16

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	41	1.0		mg/kg	EPA 6010b	
Chromium	6.9	2.0		mg/kg	EPA 6010b	
Cobalt	4.9	2.0		mg/kg	EPA 6010b	
Copper	4.9	1.0		mg/kg	EPA 6010b	
Nickel	4.2	2.0		mg/kg	EPA 6010b	
Vanadium	20	5.0		mg/kg	EPA 6010b	
Zinc	33	1.0		mg/kg	EPA 6010b	

Sample ID: C3-01-20211019

Laboratory ID: T213165-33

Analyte	Result	Reporting		Units	Method	Notes
		Limit				

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: C3-01-20211019

Laboratory ID: T213165-33

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	38	10		mg/kg	EPA 8015B	D-06
Barium	45	1.0		mg/kg	EPA 6010b	
Chromium	41	2.0		mg/kg	EPA 6010b	
Cobalt	5.1	2.0		mg/kg	EPA 6010b	
Copper	50	1.0		mg/kg	EPA 6010b	
Lead	82	3.0		mg/kg	EPA 6010b	
Molybdenum	5.0	5.0		mg/kg	EPA 6010b	
Nickel	38	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	110	1.0		mg/kg	EPA 6010b	

Sample ID: C3-03-20211019

Laboratory ID: T213165-34

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	29	10		mg/kg	EPA 8015B	D-06
Barium	33	1.0		mg/kg	EPA 6010b	
Chromium	4.5	2.0		mg/kg	EPA 6010b	
Cobalt	3.3	2.0		mg/kg	EPA 6010b	
Copper	3.1	1.0		mg/kg	EPA 6010b	
Nickel	2.7	2.0		mg/kg	EPA 6010b	
Vanadium	14	5.0		mg/kg	EPA 6010b	
Zinc	22	1.0		mg/kg	EPA 6010b	

Sample ID: D1-01-20211019

Laboratory ID: T213165-35

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	47	1.0		mg/kg	EPA 6010b	
Chromium	14	2.0		mg/kg	EPA 6010b	
Cobalt	5.1	2.0		mg/kg	EPA 6010b	
Copper	16	1.0		mg/kg	EPA 6010b	
Lead	25	3.0		mg/kg	EPA 6010b	
Nickel	13	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	77	1.0		mg/kg	EPA 6010b	
PCB-1260	21	10		ug/kg	EPA 8082	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: D1-03-20211019

Laboratory ID: T213165-36

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	43	1.0		mg/kg	EPA 6010b	
Chromium	8.7	2.0		mg/kg	EPA 6010b	
Cobalt	5.2	2.0		mg/kg	EPA 6010b	
Copper	7.0	1.0		mg/kg	EPA 6010b	
Nickel	5.3	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	30	1.0		mg/kg	EPA 6010b	
Mercury	0.27	0.10		mg/kg	EPA 7471A Soil	

Sample ID: D2-01-20211019

Laboratory ID: T213165-37

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	44	10		mg/kg	EPA 8015B	D-06
Barium	54	1.0		mg/kg	EPA 6010b	
Chromium	22	2.0		mg/kg	EPA 6010b	
Cobalt	5.8	2.0		mg/kg	EPA 6010b	
Copper	23	1.0		mg/kg	EPA 6010b	
Lead	41	3.0		mg/kg	EPA 6010b	
Nickel	17	2.0		mg/kg	EPA 6010b	
Vanadium	23	5.0		mg/kg	EPA 6010b	
Zinc	80	1.0		mg/kg	EPA 6010b	
Mercury	0.13	0.10		mg/kg	EPA 7471A Soil	

Sample ID: D2-05-20211019

Laboratory ID: T213165-38

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	57	1.0		mg/kg	EPA 6010b	
Chromium	9.3	2.0		mg/kg	EPA 6010b	
Cobalt	5.3	2.0		mg/kg	EPA 6010b	
Copper	7.8	1.0		mg/kg	EPA 6010b	
Nickel	5.3	2.0		mg/kg	EPA 6010b	
Vanadium	23	5.0		mg/kg	EPA 6010b	
Zinc	29	1.0		mg/kg	EPA 6010b	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Sample ID: D3-01-20211019

Laboratory ID: T213165-39

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	33	10		mg/kg	EPA 8015B	D-06
Barium	40	1.0		mg/kg	EPA 6010b	
Chromium	21	2.0		mg/kg	EPA 6010b	
Cobalt	4.6	2.0		mg/kg	EPA 6010b	
Copper	21	1.0		mg/kg	EPA 6010b	
Lead	26	3.0		mg/kg	EPA 6010b	
Nickel	20	2.0		mg/kg	EPA 6010b	
Vanadium	18	5.0		mg/kg	EPA 6010b	
Zinc	64	1.0		mg/kg	EPA 6010b	

Sample ID: D3-03-20211019

Laboratory ID: T213165-40

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	59	10		mg/kg	EPA 8015B	D-06
Barium	39	1.0		mg/kg	EPA 6010b	
Chromium	8.6	2.0		mg/kg	EPA 6010b	
Cobalt	5.2	2.0		mg/kg	EPA 6010b	
Copper	6.7	1.0		mg/kg	EPA 6010b	
Lead	4.5	3.0		mg/kg	EPA 6010b	
Nickel	5.0	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	34	1.0		mg/kg	EPA 6010b	

Sample ID: E1-01-20211018

Laboratory ID: T213165-41

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	42	10		mg/kg	EPA 8015B	D-06
Barium	47	1.0		mg/kg	EPA 6010b	
Chromium	6.6	2.0		mg/kg	EPA 6010b	
Cobalt	4.4	2.0		mg/kg	EPA 6010b	
Copper	5.6	1.0		mg/kg	EPA 6010b	
Nickel	3.9	2.0		mg/kg	EPA 6010b	
Vanadium	19	5.0		mg/kg	EPA 6010b	
Zinc	35	1.0		mg/kg	EPA 6010b	
Mercury	0.32	0.10		mg/kg	EPA 7471A Soil	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: E1-05-20211018

Laboratory ID: T213165-42

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Silver	3.5	2.0		mg/kg	EPA 6010b	
Barium	86	1.0		mg/kg	EPA 6010b	
Chromium	15	2.0		mg/kg	EPA 6010b	
Cobalt	7.7	2.0		mg/kg	EPA 6010b	
Copper	12	1.0		mg/kg	EPA 6010b	
Nickel	8.8	2.0		mg/kg	EPA 6010b	
Vanadium	30	5.0		mg/kg	EPA 6010b	
Zinc	37	1.0		mg/kg	EPA 6010b	

Sample ID: E2-01-20211018

Laboratory ID: T213165-43

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	51	1.0		mg/kg	EPA 6010b	
Chromium	18	2.0		mg/kg	EPA 6010b	
Cobalt	4.6	2.0		mg/kg	EPA 6010b	
Copper	99	1.0		mg/kg	EPA 6010b	
Lead	17	3.0		mg/kg	EPA 6010b	
Nickel	17	2.0		mg/kg	EPA 6010b	
Vanadium	19	5.0		mg/kg	EPA 6010b	
Zinc	64	1.0		mg/kg	EPA 6010b	

Sample ID: E2-03-20211018

Laboratory ID: T213165-44

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	34	1.0		mg/kg	EPA 6010b	
Chromium	7.4	2.0		mg/kg	EPA 6010b	
Cobalt	4.6	2.0		mg/kg	EPA 6010b	
Copper	4.6	1.0		mg/kg	EPA 6010b	
Nickel	4.6	2.0		mg/kg	EPA 6010b	
Vanadium	18	5.0		mg/kg	EPA 6010b	
Zinc	26	1.0		mg/kg	EPA 6010b	

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Equipoise Corporation
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Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 15:47

Sample ID: E3-01-20211018

Laboratory ID: T213165-45

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	69	1.0		mg/kg	EPA 6010b	
Chromium	22	2.0		mg/kg	EPA 6010b	
Cobalt	5.8	2.0		mg/kg	EPA 6010b	
Copper	28	1.0		mg/kg	EPA 6010b	
Lead	66	3.0		mg/kg	EPA 6010b	
Nickel	39	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	120	1.0		mg/kg	EPA 6010b	

Sample ID: E3-05-20211018

Laboratory ID: T213165-46

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	36	1.0		mg/kg	EPA 6010b	
Chromium	7.9	2.0		mg/kg	EPA 6010b	
Cobalt	4.3	2.0		mg/kg	EPA 6010b	
Copper	5.4	1.0		mg/kg	EPA 6010b	
Nickel	4.4	2.0		mg/kg	EPA 6010b	
Vanadium	16	5.0		mg/kg	EPA 6010b	
Zinc	25	1.0		mg/kg	EPA 6010b	

Sample ID: F1-01-20211018

Laboratory ID: T213165-47

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	43	1.0		mg/kg	EPA 6010b	
Chromium	15	2.0		mg/kg	EPA 6010b	
Cobalt	4.7	2.0		mg/kg	EPA 6010b	
Copper	13	1.0		mg/kg	EPA 6010b	
Lead	38	3.0		mg/kg	EPA 6010b	
Nickel	12	2.0		mg/kg	EPA 6010b	
Vanadium	18	5.0		mg/kg	EPA 6010b	
Zinc	54	1.0		mg/kg	EPA 6010b	

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Sample ID: F1-03-20211018

Laboratory ID: T213165-48

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	46	1.0		mg/kg	EPA 6010b	
Chromium	8.0	2.0		mg/kg	EPA 6010b	
Cobalt	5.4	2.0		mg/kg	EPA 6010b	
Copper	6.6	1.0		mg/kg	EPA 6010b	
Lead	11	3.0		mg/kg	EPA 6010b	
Nickel	5.2	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	45	1.0		mg/kg	EPA 6010b	

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A1-01-20211019
T213165-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	100	mg/kg	10	1102020	10/20/21	10/22/21	EPA 8015B	R-07
C13-C28 (DRO)	ND	100	"	"	"	"	"	"	R-07
C29-C40 (MORO)	ND	100	"	"	"	"	"	"	R-07
Surrogate: <i>p</i> -Terphenyl		75.6 %		65-135	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	46	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	16	2.0	"	"	"	"	"	"	
Cobalt	5.0	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	32	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	14	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	63	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A1-01-20211019
T213165-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		87.5 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		86.9 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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A1-01-20211019
T213165-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

A1-01-20211019
T213165-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.4 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Surrogate: Terphenyl-d14		83.5 %	29.1-130		"	"	"	"	R-07

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A1-05-20211019
T213165-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		106 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	78	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	25	2.0	"	"	"	"	"	"	
Cobalt	8.6	2.0	"	"	"	"	"	"	
Copper	12	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	29	5.0	"	"	"	"	"	"	
Zinc	51	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A1-05-20211019
T213165-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A1-05-20211019
T213165-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		89.5 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

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A2-01-20211019
T213165-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	100	mg/kg	10	1102020	10/20/21	10/22/21	EPA 8015B	R-07
C13-C28 (DRO)	ND	100	"	"	"	"	"	"	R-07
C29-C40 (MORO)	ND	100	"	"	"	"	"	"	R-07
Surrogate: <i>p</i> -Terphenyl		77.3 %		65-135	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	2.7	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	44	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	29	2.0	"	"	"	"	"	"	
Cobalt	4.9	2.0	"	"	"	"	"	"	
Copper	20	1.0	"	"	"	"	"	"	
Lead	23	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	24	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	59	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

A2-01-20211019
T213165-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102022	10/20/21	10/23/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

Surrogate: Tetrachloro-meta-xylene

70.5 % 35-140

Surrogate: Decachlorobiphenyl

67.3 % 35-140

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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A2-01-20211019
T213165-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A2-01-20211019
T213165-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.5 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		101 %	29.1-130		"	"	"	"	

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A2-03-20211019
T213165-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		107 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	24	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	4.6	2.0	"	"	"	"	"	"	
Cobalt	3.4	2.0	"	"	"	"	"	"	
Copper	2.7	1.0	"	"	"	"	10/21/21	"	
Lead	ND	3.0	"	"	"	"	10/21/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	2.8	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	15	5.0	"	"	"	"	10/21/21	"	
Zinc	21	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A2-03-20211019
T213165-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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A2-03-20211019
T213165-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.4 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

A3-01-20211019
T213165-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	43	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	45	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	23	2.0	"	"	"	"	"	"	
Cobalt	4.7	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	24	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	23	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	19	5.0	"	"	"	"	"	"	
Zinc	71	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A3-01-20211019
T213165-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		86.4 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		80.1 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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A3-01-20211019
T213165-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

A3-01-20211019
T213165-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90.9 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		117 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		83.6 %	29.1-130		"	"	"	"	R-07

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A3-05-20211019
T213165-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>113 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	57	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	7.2	2.0	"	"	"	"	"	"	
Copper	7.3	1.0	"	"	"	"	"	"	
Lead	7.0	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	7.7	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	26	5.0	"	"	"	"	"	"	
Zinc	45	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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A3-05-20211019
T213165-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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A3-05-20211019
T213165-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.8 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		120 %	82.6-117		"	"	"	"	S-GC

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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B1-01-20211019
T213165-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	100	mg/kg	10	1102020	10/20/21	10/22/21	EPA 8015B	R-07
C13-C28 (DRO)	ND	100	"	"	"	"	"	"	R-07
C29-C40 (MORO)	ND	100	"	"	"	"	"	"	R-07
<i>Surrogate: p-Terphenyl</i>		80.7 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	52	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	19	2.0	"	"	"	"	"	"	
Cobalt	5.6	2.0	"	"	"	"	"	"	
Copper	9.4	1.0	"	"	"	"	"	"	
Lead	4.8	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	18	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	26	5.0	"	"	"	"	"	"	
Zinc	31	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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B1-01-20211019
T213165-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102022	10/20/21	10/23/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		77.9 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		78.6 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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B1-01-20211019
T213165-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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B1-01-20211019
T213165-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93.5 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		118 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	590	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	900	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	410	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	720	300	"	"	"	"	"	"	
Chrysene	820	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	600	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	420	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	840	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-dl4</i>		97.9 %	29.1-130		"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

B1-03-20211019
T213165-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		108 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	61	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	170	2.0	"	"	"	"	10/21/21	"	
Cobalt	5.5	2.0	"	"	"	"	10/21/21	"	
Copper	23	1.0	"	"	"	"	10/21/21	"	
Lead	7.8	3.0	"	"	"	"	10/21/21	"	
Molybdenum	9.6	5.0	"	"	"	"	"	"	
Nickel	120	2.0	"	"	"	"	10/21/21	"	
Selenium	ND	5.0	"	"	"	"	10/21/21	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	17	5.0	"	"	"	"	10/21/21	"	
Zinc	39	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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B1-03-20211019
T213165-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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B1-03-20211019
T213165-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.6 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		121 %	82.6-117		"	"	"	"	S-GC

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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B2-01-20211019
T213165-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	36	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	8.0	2.0	"	"	"	"	"	"	
Cobalt	4.0	2.0	"	"	"	"	"	"	
Copper	11	1.0	"	"	"	"	"	"	
Lead	23	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	6.2	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	18	5.0	"	"	"	"	"	"	
Zinc	40	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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B2-01-20211019
T213165-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102022	10/20/21	10/23/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		76.5 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		89.8 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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B2-01-20211019
T213165-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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B2-01-20211019
T213165-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89.4 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	1700	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	2700	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	1100	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	1600	1000	"	"	"	"	"	"	
Benzo (a) pyrene	2100	300	"	"	"	"	"	"	
Chrysene	2100	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	360	300	"	"	"	"	"	"	
Fluoranthene	2400	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	1300	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	2600	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-dl4</i>		96.0 %	29.1-130		"	"	"	"	

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B2-05-20211019
T213165-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	55	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	9.6	2.0	"	"	"	"	"	"	
Cobalt	5.7	2.0	"	"	"	"	"	"	
Copper	6.6	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.5	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	22	5.0	"	"	"	"	"	"	
Zinc	30	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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B2-05-20211019
T213165-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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B2-05-20211019
T213165-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.6 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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B3-01-20211019
T213165-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	100	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		<i>110 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	51	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	26	2.0	"	"	"	"	"	"	
Cobalt	4.6	2.0	"	"	"	"	"	"	
Copper	14	1.0	"	"	"	"	"	"	
Lead	18	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	47	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	62	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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B3-01-20211019
T213165-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		58.5 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		73.6 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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B3-01-20211019
T213165-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

B3-01-20211019
T213165-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.1 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Surrogate: Terphenyl-d14		82.8 %	29.1-130		"	"	"	"	R-07

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B3-03-20211019
T213165-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	100	mg/kg	10	1102020	10/20/21	10/23/21	EPA 8015B	R-07
C13-C28 (DRO)	ND	100	"	"	"	"	"	"	R-07
C29-C40 (MORO)	830	100	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		82.7 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	51	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	110	2.0	"	"	"	"	"	"	
Cobalt	5.1	2.0	"	"	"	"	"	"	
Copper	17	1.0	"	"	"	"	"	"	
Lead	20	3.0	"	"	"	"	"	"	
Molybdenum	15	5.0	"	"	"	"	"	"	
Nickel	80	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	22	5.0	"	"	"	"	"	"	
Zinc	61	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

B3-03-20211019
T213165-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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B3-03-20211019
T213165-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.1 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

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C1-01-20211019
T213165-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	46	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		112 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	48	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	9.5	2.0	"	"	"	"	10/21/21	"	
Cobalt	6.0	2.0	"	"	"	"	10/21/21	"	
Copper	5.1	1.0	"	"	"	"	10/21/21	"	
Lead	ND	3.0	"	"	"	"	10/21/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.9	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/21/21	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	37	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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C1-01-20211019
T213165-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		52.9 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		66.4 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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C1-01-20211019
T213165-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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C1-01-20211019
T213165-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89.9 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		99.2 %	29.1-130		"	"	"	"	

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C1-05-20211019
T213165-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>112 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	52	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	6.9	2.0	"	"	"	"	"	"	
Cobalt	5.7	2.0	"	"	"	"	"	"	
Copper	5.8	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.1	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	21	5.0	"	"	"	"	"	"	
Zinc	42	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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C1-05-20211019
T213165-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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C1-05-20211019
T213165-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.0 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		121 %	82.6-117		"	"	"	"	S-GC

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C2-01-20211019
T213165-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	37	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		112 %	65-135	"	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	39	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	6.8	2.0	"	"	"	"	"	"	
Cobalt	5.2	2.0	"	"	"	"	"	"	
Copper	5.7	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.2	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	22	5.0	"	"	"	"	"	"	
Zinc	36	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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C2-01-20211019
T213165-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		62.5 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		62.0 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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C2-01-20211019
T213165-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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C2-01-20211019
T213165-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90.2 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		120 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		91.9 %	29.1-130		"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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C2-03-20211019
T213165-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		108 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	41	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	6.9	2.0	"	"	"	"	"	"	
Cobalt	4.9	2.0	"	"	"	"	"	"	
Copper	4.9	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.2	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	33	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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C2-03-20211019
T213165-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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C2-03-20211019
T213165-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		92.6 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

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C3-01-20211019
T213165-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	38	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		108 %	65-135	"	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	45	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	41	2.0	"	"	"	"	10/21/21	"	
Cobalt	5.1	2.0	"	"	"	"	10/21/21	"	
Copper	50	1.0	"	"	"	"	10/21/21	"	
Lead	82	3.0	"	"	"	"	10/21/21	"	
Molybdenum	5.0	5.0	"	"	"	"	"	"	
Nickel	38	2.0	"	"	"	"	10/21/21	"	
Selenium	ND	5.0	"	"	"	"	10/21/21	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	21	5.0	"	"	"	"	10/21/21	"	
Zinc	110	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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C3-01-20211019
T213165-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		79.3 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		103 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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C3-01-20211019
T213165-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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C3-01-20211019
T213165-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.6 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Surrogate: Terphenyl-d14		83.6 %	29.1-130		"	"	"	"	R-07

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C3-03-20211019
T213165-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	29	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		106 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	33	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	4.5	2.0	"	"	"	"	"	"	
Cobalt	3.3	2.0	"	"	"	"	"	"	
Copper	3.1	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	2.7	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	14	5.0	"	"	"	"	"	"	
Zinc	22	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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C3-03-20211019
T213165-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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C3-03-20211019
T213165-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		88.5 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

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D1-01-20211019
T213165-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		90.7 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	47	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	14	2.0	"	"	"	"	"	"	
Cobalt	5.1	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	25	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	13	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	21	5.0	"	"	"	"	"	"	
Zinc	77	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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D1-01-20211019
T213165-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102022	10/20/21	10/23/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	21	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		58.3 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		63.8 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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D1-01-20211019
T213165-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D1-01-20211019
T213165-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90.9 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		98.1 %	29.1-130		"	"	"	"	R-07

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D1-03-20211019
T213165-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102020	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102024	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	43	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	8.7	2.0	"	"	"	"	"	"	
Cobalt	5.2	2.0	"	"	"	"	"	"	
Copper	7.0	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.3	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	21	5.0	"	"	"	"	"	"	
Zinc	30	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	0.27	0.10	mg/kg	1	1102030	10/20/21	10/26/21	EPA 7471A Soil	
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D1-03-20211019
T213165-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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D1-03-20211019
T213165-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102015	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		89.2 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		121 %	82.6-117		"	"	"	"	S-GC

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D2-01-20211019
T213165-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	44	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		90.4 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	54	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	22	2.0	"	"	"	"	"	"	
Cobalt	5.8	2.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	41	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	80	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	0.13	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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D2-01-20211019
T213165-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102022	10/20/21	10/23/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		83.0 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		94.3 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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D2-01-20211019
T213165-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D2-01-20211019
T213165-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		110 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		121 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		94.0 %	29.1-130		"	"	"	"	R-07

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D2-05-20211019
T213165-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		113 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	57	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	9.3	2.0	"	"	"	"	"	"	
Cobalt	5.3	2.0	"	"	"	"	"	"	
Copper	7.8	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.3	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	29	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D2-05-20211019
T213165-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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D2-05-20211019
T213165-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		108 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		121 %	82.6-117		"	"	"	"	S-GC

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

D3-01-20211019
T213165-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	33	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		<i>113 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	40	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	21	2.0	"	"	"	"	"	"	
Cobalt	4.6	2.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	26	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	20	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	18	5.0	"	"	"	"	"	"	
Zinc	64	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D3-01-20211019
T213165-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		87.1 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		104 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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D3-01-20211019
T213165-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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D3-01-20211019
T213165-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		109 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		122 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		93.8 %	29.1-130		"	"	"	"	R-07

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D3-03-20211019
T213165-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	59	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		89.9 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	39	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	8.6	2.0	"	"	"	"	"	"	
Cobalt	5.2	2.0	"	"	"	"	"	"	
Copper	6.7	1.0	"	"	"	"	"	"	
Lead	4.5	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.0	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	22	5.0	"	"	"	"	"	"	
Zinc	34	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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D3-03-20211019
T213165-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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D3-03-20211019
T213165-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E1-01-20211018
T213165-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	42	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		<i>111 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	47	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	6.6	2.0	"	"	"	"	"	"	
Cobalt	4.4	2.0	"	"	"	"	"	"	
Copper	5.6	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	3.9	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	19	5.0	"	"	"	"	"	"	
Zinc	35	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	0.32	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E1-01-20211018
T213165-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		85.1 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		93.6 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E1-01-20211018
T213165-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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E1-01-20211018
T213165-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		106 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		84.1 %	29.1-130		"	"	"	"	R-07

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E1-05-20211018
T213165-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.8 %		65-135	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	3.5	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	86	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	7.7	2.0	"	"	"	"	"	"	
Copper	12	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	8.8	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	30	5.0	"	"	"	"	"	"	
Zinc	37	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E1-05-20211018
T213165-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E1-05-20211018
T213165-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		107 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		121 %	82.6-117		"	"	"	"	S-GC

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E2-01-20211018
T213165-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>109 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	51	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	18	2.0	"	"	"	"	"	"	
Cobalt	4.6	2.0	"	"	"	"	"	"	
Copper	99	1.0	"	"	"	"	"	"	
Lead	17	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	17	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	19	5.0	"	"	"	"	"	"	
Zinc	64	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E2-01-20211018
T213165-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		75.8 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		61.4 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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E2-01-20211018
T213165-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E2-01-20211018
T213165-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		105 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		120 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		87.7 %	29.1-130		"	"	"	"	R-07

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Joann Marroquin For Mike Jaroudi, Project Manager



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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E2-03-20211018
T213165-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.9 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	34	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	7.4	2.0	"	"	"	"	"	"	
Cobalt	4.6	2.0	"	"	"	"	"	"	
Copper	4.6	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.6	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	18	5.0	"	"	"	"	"	"	
Zinc	26	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E2-03-20211018
T213165-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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E2-03-20211018
T213165-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E3-01-20211018
T213165-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		112 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	69	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	22	2.0	"	"	"	"	10/21/21	"	
Cobalt	5.8	2.0	"	"	"	"	10/21/21	"	
Copper	28	1.0	"	"	"	"	10/21/21	"	
Lead	66	3.0	"	"	"	"	10/21/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	39	2.0	"	"	"	"	10/21/21	"	
Selenium	ND	5.0	"	"	"	"	10/21/21	"	
Thallium	ND	5.0	"	"	"	"	10/21/21	"	
Vanadium	21	5.0	"	"	"	"	"	"	
Zinc	120	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E3-01-20211018
T213165-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		58.6 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		90.1 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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E3-01-20211018
T213165-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E3-01-20211018
T213165-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Surrogate: Terphenyl-d14		100 %	29.1-130		"	"	"	"	R-07

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

E3-05-20211018
T213165-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>110 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	36	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	7.9	2.0	"	"	"	"	"	"	
Cobalt	4.3	2.0	"	"	"	"	"	"	
Copper	5.4	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.4	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	16	5.0	"	"	"	"	"	"	
Zinc	25	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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E3-05-20211018
T213165-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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E3-05-20211018
T213165-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		98.9 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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F1-01-20211018
T213165-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.2 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	43	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	4.7	2.0	"	"	"	"	"	"	
Copper	13	1.0	"	"	"	"	"	"	
Lead	38	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	12	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	18	5.0	"	"	"	"	"	"	
Zinc	54	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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F1-01-20211018
T213165-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102022	10/20/21	10/23/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		81.9 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		106 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

F1-01-20211018
T213165-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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F1-01-20211018
T213165-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95.7 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		117 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		100 %	29.1-130		"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

F1-03-20211018
T213165-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>107 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	46	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	8.0	2.0	"	"	"	"	"	"	
Cobalt	5.4	2.0	"	"	"	"	"	"	
Copper	6.6	1.0	"	"	"	"	"	"	
Lead	11	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.2	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	21	5.0	"	"	"	"	"	"	
Zinc	45	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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F1-03-20211018
T213165-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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F1-03-20211018
T213165-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102016	10/20/21	10/20/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		97.0 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102020 - EPA 3550B GC

Blank (1102020-BLK1)

Prepared: 10/20/21 Analyzed: 10/22/21

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	89.6		"	100		89.6	65-135			

LCS (1102020-BS1)

Prepared: 10/20/21 Analyzed: 10/22/21

C13-C28 (DRO)	480	10	mg/kg	500		96.4	75-125			
Surrogate: <i>p</i> -Terphenyl	109		"	100		109	65-135			

LCS Dup (1102020-BSD1)

Prepared: 10/20/21 Analyzed: 10/22/21

C13-C28 (DRO)	440	10	mg/kg	500		87.6	75-125	9.64	20	
Surrogate: <i>p</i> -Terphenyl	90.1		"	100		90.1	65-135			

Batch 1102021 - EPA 3550B GC

Blank (1102021-BLK1)

Prepared: 10/20/21 Analyzed: 10/22/21

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	104		"	100		104	65-135			

LCS (1102021-BS1)

Prepared: 10/20/21 Analyzed: 10/22/21

C13-C28 (DRO)	500	10	mg/kg	500		100	75-125			
Surrogate: <i>p</i> -Terphenyl	107		"	100		107	65-135			

LCS Dup (1102021-BSD1)

Prepared: 10/20/21 Analyzed: 10/22/21

C13-C28 (DRO)	490	10	mg/kg	500		98.5	75-125	1.99	20	
Surrogate: <i>p</i> -Terphenyl	109		"	100		109	65-135			

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 15:47
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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102024 - EPA 3050B

Blank (1102024-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

LCS (1102024-BS1)

Prepared: 10/20/21 Analyzed: 10/21/21

Arsenic	90.1	5.0	mg/kg	100		90.1	75-125			
Barium	88.4	1.0	"	100		88.4	75-125			
Cadmium	86.9	2.0	"	100		86.9	75-125			
Chromium	89.8	2.0	"	100		89.8	75-125			
Lead	88.1	3.0	"	100		88.1	75-125			

Matrix Spike (1102024-MS1)

Source: T213165-01

Prepared: 10/20/21 Analyzed: 10/21/21

Arsenic	70.1	5.0	mg/kg	100	ND	70.1	75-125			QM-05
Barium	120	1.0	"	100	45.7	74.1	75-125			QM-05
Cadmium	65.7	2.0	"	100	0.443	65.3	75-125			QM-05
Chromium	83.9	2.0	"	100	16.2	67.7	75-125			QM-05
Lead	104	3.0	"	100	31.7	72.2	75-125			QM-05

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102024 - EPA 3050B

Matrix Spike Dup (1102024-MSD1)	Source: T213165-01			Prepared: 10/20/21 Analyzed: 10/21/21						
Arsenic	72.1	5.0	mg/kg	100	ND	72.1	75-125	2.73	20	QM-05
Barium	115	1.0	"	100	45.7	69.5	75-125	3.89	20	QM-05
Cadmium	66.1	2.0	"	100	0.443	65.6	75-125	0.520	20	QM-05
Chromium	88.1	2.0	"	100	16.2	71.9	75-125	4.91	20	QM-05
Lead	94.6	3.0	"	100	31.7	62.9	75-125	9.34	20	QM-05

Batch 1102025 - EPA 3050B

Blank (1102025-BLK1)	Prepared: 10/20/21 Analyzed: 10/21/21				
Antimony	ND	3.0	mg/kg		
Silver	ND	2.0	"		
Arsenic	ND	5.0	"		
Barium	ND	1.0	"		
Beryllium	ND	1.0	"		
Cadmium	ND	2.0	"		
Chromium	ND	2.0	"		
Cobalt	ND	2.0	"		
Copper	ND	1.0	"		
Lead	ND	3.0	"		
Molybdenum	ND	5.0	"		
Nickel	ND	2.0	"		
Selenium	ND	5.0	"		
Thallium	ND	5.0	"		
Vanadium	ND	5.0	"		
Zinc	ND	1.0	"		

LCS (1102025-BS1)	Prepared: 10/20/21 Analyzed: 10/21/21					
Arsenic	89.4	5.0	mg/kg	100	89.4	75-125
Barium	88.1	1.0	"	100	88.1	75-125
Cadmium	86.7	2.0	"	100	86.7	75-125
Chromium	88.3	2.0	"	100	88.3	75-125
Lead	87.6	3.0	"	100	87.6	75-125

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102025 - EPA 3050B

Matrix Spike (1102025-MS1)	Source: T213165-37			Prepared: 10/20/21 Analyzed: 10/21/21						
Arsenic	71.0	5.0	mg/kg	100	ND	71.0	75-125			QM-05
Barium	114	1.0	"	100	54.1	59.5	75-125			QM-05
Cadmium	66.7	2.0	"	100	0.677	66.0	75-125			QM-05
Chromium	83.1	2.0	"	100	21.9	61.3	75-125			QM-05
Lead	102	3.0	"	100	40.7	61.6	75-125			QM-05

Matrix Spike Dup (1102025-MSD1)	Source: T213165-37			Prepared: 10/20/21 Analyzed: 10/21/21						
Arsenic	68.2	5.0	mg/kg	100	ND	68.2	75-125	3.92	20	QM-05
Barium	119	1.0	"	100	54.1	65.3	75-125	5.03	20	QM-05
Cadmium	66.2	2.0	"	100	0.677	65.5	75-125	0.740	20	QM-05
Chromium	92.1	2.0	"	100	21.9	70.3	75-125	10.3	20	QM-05
Lead	110	3.0	"	100	40.7	69.5	75-125	7.42	20	QM-05

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Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102030 - EPA 7471A Soil

Blank (1102030-BLK1)		Prepared: 10/20/21 Analyzed: 10/26/21								
Mercury	ND	0.10	mg/kg							
LCS (1102030-BS1)		Prepared: 10/20/21 Analyzed: 10/26/21								
Mercury	0.380	0.10	mg/kg	0.417		91.1	80-120			
Matrix Spike (1102030-MS1)		Source: T213165-01		Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	0.409	0.10	mg/kg	0.410	ND	99.9	75-125			
Matrix Spike Dup (1102030-MSD1)		Source: T213165-01		Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	0.412	0.10	mg/kg	0.410	ND	101	75-125	0.647	20	

Batch 1102032 - EPA 7471A Soil

Blank (1102032-BLK1)		Prepared: 10/20/21 Analyzed: 10/26/21								
Mercury	ND	0.10	mg/kg							
LCS (1102032-BS1)		Prepared: 10/20/21 Analyzed: 10/26/21								
Mercury	0.384	0.10	mg/kg	0.385		99.9	80-120			
Matrix Spike (1102032-MS1)		Source: T213165-37		Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	0.541	0.10	mg/kg	0.417	0.132	98.3	75-125			
Matrix Spike Dup (1102032-MSD1)		Source: T213165-37		Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	0.532	0.10	mg/kg	0.410	0.132	97.7	75-125	1.67	20	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Polychlorinated Biphenyls by EPA Method 8082/3550C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102022 - EPA 3550C ECD/GCMS

Blank (1102022-BLK1)

Prepared: 10/20/21 Analyzed: 10/23/21

PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	8.85		"	10.0		88.5	35-140			
Surrogate: Decachlorobiphenyl	9.68		"	10.0		96.8	35-140			

LCS (1102022-BS1)

Prepared: 10/20/21 Analyzed: 10/23/21

PCB-1016	77.1	10	ug/kg	100		77.1	40-130			
PCB-1260	86.3	10	"	100		86.3	40-130			
Surrogate: Tetrachloro-meta-xylene	9.40		"	10.0		94.0	35-140			
Surrogate: Decachlorobiphenyl	9.47		"	10.0		94.7	35-140			

LCS Dup (1102022-BSD1)

Prepared: 10/20/21 Analyzed: 10/23/21

PCB-1016	74.9	10	ug/kg	100		74.9	40-130	2.89	30	
PCB-1260	88.2	10	"	100		88.2	40-130	2.18	30	
Surrogate: Tetrachloro-meta-xylene	8.57		"	10.0		85.7	35-140			
Surrogate: Decachlorobiphenyl	9.40		"	10.0		94.0	35-140			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102015 - EPA 5030 GCMS

Blank (1102015-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

Bromobenzene	ND	2.5	ug/kg
Bromochloromethane	ND	2.5	"
Bromodichloromethane	ND	2.5	"
Bromoform	ND	2.5	"
Bromomethane	ND	2.5	"
n-Butylbenzene	ND	2.5	"
sec-Butylbenzene	ND	2.5	"
tert-Butylbenzene	ND	2.5	"
Carbon tetrachloride	ND	2.5	"
Chlorobenzene	ND	2.5	"
Chloroethane	ND	2.5	"
Chloroform	ND	2.5	"
Chloromethane	ND	2.5	"
2-Chlorotoluene	ND	2.5	"
4-Chlorotoluene	ND	2.5	"
Dibromochloromethane	ND	2.5	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	2.5	"
Dibromomethane	ND	2.5	"
1,2-Dichlorobenzene	ND	2.5	"
1,3-Dichlorobenzene	ND	2.5	"
1,4-Dichlorobenzene	ND	2.5	"
Dichlorodifluoromethane	ND	2.5	"
1,1-Dichloroethane	ND	2.5	"
1,2-Dichloroethane	ND	2.5	"
1,1-Dichloroethene	ND	2.5	"
cis-1,2-Dichloroethene	ND	2.5	"
trans-1,2-Dichloroethene	ND	2.5	"
1,2-Dichloropropane	ND	2.5	"
1,3-Dichloropropane	ND	2.5	"
2,2-Dichloropropane	ND	2.5	"
1,1-Dichloropropene	ND	2.5	"
cis-1,3-Dichloropropene	ND	2.5	"
trans-1,3-Dichloropropene	ND	2.5	"
Hexachlorobutadiene	ND	2.5	"
Isopropylbenzene	ND	2.5	"

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102015 - EPA 5030 GCMS

Blank (1102015-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

p-Isopropyltoluene	ND	2.5	ug/kg							
Methylene chloride	ND	10	"							
Naphthalene	ND	2.5	"							
n-Propylbenzene	ND	2.5	"							
Styrene	ND	2.5	"							
1,1,2,2-Tetrachloroethane	ND	2.5	"							
1,1,1,2-Tetrachloroethane	ND	2.5	"							
Tetrachloroethene	ND	2.5	"							
1,2,3-Trichlorobenzene	ND	2.5	"							
1,2,4-Trichlorobenzene	ND	2.5	"							
1,1,2-Trichloroethane	ND	2.5	"							
1,1,1-Trichloroethane	ND	2.5	"							
Trichloroethene	ND	2.5	"							
Trichlorofluoromethane	ND	2.5	"							
1,2,3-Trichloropropane	ND	2.5	"							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	53.3		"	50.0		107	75.4-139			
<i>Surrogate: Dibromofluoromethane</i>	44.3		"	50.0		88.5	73.1-125			
<i>Surrogate: Toluene-d8</i>	58.7		"	50.0		117	82.6-117			

LCS (1102015-BS1)

Prepared: 10/20/21 Analyzed: 10/21/21

Chlorobenzene	46.6	2.5	ug/kg	50.0		93.2	65.2-124			
1,1-Dichloroethene	48.2	2.5	"	50.0		96.4	60.9-131			
Trichloroethene	49.5	2.5	"	50.0		99.0	62.1-126			
Benzene	53.0	2.5	"	50.0		106	65.3-127			
Toluene	55.3	2.5	"	50.0		111	64.3-122			
<i>Surrogate: 4-Bromofluorobenzene</i>	52.7		"	50.0		105	75.4-139			
<i>Surrogate: Dibromofluoromethane</i>	44.1		"	50.0		88.1	73.1-125			
<i>Surrogate: Toluene-d8</i>	58.0		"	50.0		116	82.6-117			

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102015 - EPA 5030 GCMS

Matrix Spike (1102015-MS1)

Source: T213165-01

Prepared: 10/20/21 Analyzed: 10/21/21

Chlorobenzene	48.2	2.5	ug/kg	50.0	ND	96.4	65.2-125			
1,1-Dichloroethene	49.0	2.5	"	50.0	ND	97.9	60.9-131			
Trichloroethene	49.2	2.5	"	50.0	ND	98.4	62.1-126			
Benzene	53.8	2.5	"	50.0	ND	108	65.3-127			
Toluene	56.5	2.5	"	50.0	ND	113	64.3-125			
Surrogate: 4-Bromofluorobenzene	54.6		"	50.0		109	75.4-139			
Surrogate: Dibromofluoromethane	43.9		"	50.0		87.8	73.1-125			
Surrogate: Toluene-d8	58.6		"	50.0		117	82.6-117			

Matrix Spike Dup (1102015-MSD1)

Source: T213165-01

Prepared: 10/20/21 Analyzed: 10/21/21

Chlorobenzene	48.0	2.5	ug/kg	50.0	ND	95.9	65.2-125	0.541	20	
1,1-Dichloroethene	48.8	2.5	"	50.0	ND	97.6	60.9-131	0.286	20	
Trichloroethene	50.0	2.5	"	50.0	ND	100	62.1-126	1.65	20	
Benzene	54.4	2.5	"	50.0	ND	109	65.3-127	1.02	20	
Toluene	55.8	2.5	"	50.0	ND	112	64.3-125	1.23	20	
Surrogate: 4-Bromofluorobenzene	53.9		"	50.0		108	75.4-139			
Surrogate: Dibromofluoromethane	43.4		"	50.0		86.7	73.1-125			
Surrogate: Toluene-d8	57.9		"	50.0		116	82.6-117			

Batch 1102016 - EPA 5030 GCMS

Blank (1102016-BLK1)

Prepared & Analyzed: 10/20/21

Bromobenzene	ND	2.5	ug/kg							
Bromochloromethane	ND	2.5	"							
Bromodichloromethane	ND	2.5	"							
Bromoform	ND	2.5	"							
Bromomethane	ND	2.5	"							
n-Butylbenzene	ND	2.5	"							
sec-Butylbenzene	ND	2.5	"							
tert-Butylbenzene	ND	2.5	"							
Carbon tetrachloride	ND	2.5	"							
Chlorobenzene	ND	2.5	"							
Chloroethane	ND	2.5	"							
Chloroform	ND	2.5	"							
Chloromethane	ND	2.5	"							
2-Chlorotoluene	ND	2.5	"							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102016 - EPA 5030 GCMS

Blank (1102016-BLK1)

Prepared & Analyzed: 10/20/21

4-Chlorotoluene	ND	2.5	ug/kg
Dibromochloromethane	ND	2.5	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	2.5	"
Dibromomethane	ND	2.5	"
1,2-Dichlorobenzene	ND	2.5	"
1,3-Dichlorobenzene	ND	2.5	"
1,4-Dichlorobenzene	ND	2.5	"
Dichlorodifluoromethane	ND	2.5	"
1,1-Dichloroethane	ND	2.5	"
1,2-Dichloroethane	ND	2.5	"
1,1-Dichloroethene	ND	2.5	"
cis-1,2-Dichloroethene	ND	2.5	"
trans-1,2-Dichloroethene	ND	2.5	"
1,2-Dichloropropane	ND	2.5	"
1,3-Dichloropropane	ND	2.5	"
2,2-Dichloropropane	ND	2.5	"
1,1-Dichloropropene	ND	2.5	"
cis-1,3-Dichloropropene	ND	2.5	"
trans-1,3-Dichloropropene	ND	2.5	"
Hexachlorobutadiene	ND	2.5	"
Isopropylbenzene	ND	2.5	"
p-Isopropyltoluene	ND	2.5	"
Methylene chloride	ND	10	"
Naphthalene	ND	2.5	"
n-Propylbenzene	ND	2.5	"
Styrene	ND	2.5	"
1,1,2,2-Tetrachloroethane	ND	2.5	"
1,1,1,2-Tetrachloroethane	ND	2.5	"
Tetrachloroethene	ND	2.5	"
1,2,3-Trichlorobenzene	ND	2.5	"
1,2,4-Trichlorobenzene	ND	2.5	"
1,1,2-Trichloroethane	ND	2.5	"
1,1,1-Trichloroethane	ND	2.5	"
Trichloroethene	ND	2.5	"
Trichlorofluoromethane	ND	2.5	"

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102016 - EPA 5030 GCMS

Blank (1102016-BLK1)

Prepared & Analyzed: 10/20/21

1,2,3-Trichloropropane	ND	2.5	ug/kg							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
Surrogate: 4-Bromofluorobenzene	55.1		"	50.0		110	75.4-139			
Surrogate: Dibromofluoromethane	53.0		"	50.0		106	73.1-125			
Surrogate: Toluene-d8	59.9		"	50.0		120	82.6-117			S-GC

LCS (1102016-BS1)

Prepared & Analyzed: 10/20/21

Chlorobenzene	50.3	2.5	ug/kg	50.0	ND	101	65.2-124			
1,1-Dichloroethene	59.4	2.5	"	50.0	ND	119	60.9-131			
Trichloroethene	54.1	2.5	"	50.0	ND	108	62.1-126			
Benzene	58.8	2.5	"	50.0	ND	118	65.3-127			
Toluene	60.6	2.5	"	50.0	ND	121	64.3-122			
Surrogate: 4-Bromofluorobenzene	54.3		"	50.0		109	75.4-139			
Surrogate: Dibromofluoromethane	51.7		"	50.0		103	73.1-125			
Surrogate: Toluene-d8	59.4		"	50.0		119	82.6-117			S-GC

Matrix Spike (1102016-MS1)

Source: T213165-37

Prepared & Analyzed: 10/20/21

Chlorobenzene	37.2	2.5	ug/kg	50.0	ND	74.4	65.2-125			
1,1-Dichloroethene	45.0	2.5	"	50.0	ND	90.1	60.9-131			
Trichloroethene	40.3	2.5	"	50.0	ND	80.6	62.1-126			
Benzene	45.9	2.5	"	50.0	ND	91.8	65.3-127			
Toluene	47.0	2.5	"	50.0	ND	93.9	64.3-125			
Surrogate: 4-Bromofluorobenzene	55.3		"	50.0		111	75.4-139			
Surrogate: Dibromofluoromethane	55.3		"	50.0		111	73.1-125			
Surrogate: Toluene-d8	59.8		"	50.0		120	82.6-117			S-GC

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102016 - EPA 5030 GCMS

Matrix Spike Dup (1102016-MSD1)

Source: T213165-37

Prepared & Analyzed: 10/20/21

Chlorobenzene	39.5	2.5	ug/kg	50.0	ND	79.0	65.2-125	5.99	20	
1,1-Dichloroethene	49.1	2.5	"	50.0	ND	98.2	60.9-131	8.58	20	
Trichloroethene	43.4	2.5	"	50.0	ND	86.7	62.1-126	7.36	20	
Benzene	49.0	2.5	"	50.0	ND	97.9	65.3-127	6.43	20	
Toluene	49.3	2.5	"	50.0	ND	98.6	64.3-125	4.90	20	
Surrogate: 4-Bromofluorobenzene	55.2		"	50.0		110	75.4-139			
Surrogate: Dibromofluoromethane	55.4		"	50.0		111	73.1-125			
Surrogate: Toluene-d8	59.4		"	50.0		119	82.6-117			S-GC

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 15:47

PAH compounds by Semivolatile GCMS - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102029 - EPA 3550 ECD/GCMS

Blank (1102029-BLK1)

Prepared: 10/20/21 Analyzed: 10/27/21

Acenaphthene	ND	300	ug/kg							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Naphthalene	ND	300	"							
Phenanthrene	ND	300	"							
Pyrene	ND	300	"							

Surrogate: Terphenyl-d14 3390 " 3330 102 29.1-130

LCS (1102029-BS1)

Prepared: 10/20/21 Analyzed: 10/27/21

Acenaphthene	2450	300	ug/kg	3330		73.6	50-130			
Pyrene	1950	300	"	3330		58.5	41.1-83.5			

Surrogate: Terphenyl-d14 3340 " 3330 100 29.1-130

LCS Dup (1102029-BSD1)

Prepared: 10/20/21 Analyzed: 10/27/21

Acenaphthene	2430	300	ug/kg	3330		72.9	50-130	1.05	31	
Pyrene	1910	300	"	3330		57.2	41.1-83.5	2.32	30	

Surrogate: Terphenyl-d14 3260 " 3330 97.8 29.1-130

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation

1311 Calle Batido, Suite 260

San Clemente CA, 92673

Project: HMC Arrowhead

Project Number: [none]

Project Manager: Melissa Robinson

Reported:

10/27/21 15:47

Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21

Page: 1 of 8

Project Name: HMC Arrowhead

Collector: T213165

Client Project #:

Batch #: T213165

EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	Analytes					Laboratory ID #	Comments/Preservative				
					8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs						
A1-01-20211019	10/19/21	1040	SOIL	Sieve	X	X	X	X	X	1					
A1-05-20211019	10/19/21	1042	SOIL		X	X	X	X	X	2					
A2-01-20211019	10/19/21	1057	SOIL		X	X	X	X	X	3					
A2-03-20211019	10/19/21	1058	SOIL		X	X	X	X	X	4					
A3-01-20211019	10/19/21	1115	SOIL		X	X	X	X	X	5					
A3-05-20211019	10/19/21	1117	SOIL		X	X	X	X	X	6					
B1-01-20211019	10/19/21	1023	SOIL		X	X	X	X	X	7					
B1-03-20211019	10/19/21	1024	SOIL		X	X	X	X	X	8					
B2-01-20211019	10/19/21	1003	SOIL		X	X	X	X	X	9					
B2-05-20211019	10/19/21	1005	SOIL		X	X	X	X	X	10					
B3-01-20211019	10/19/21	0941	SOIL		X	X	X	X	X	11					
B3-03-20211019	10/19/21	0942	SOIL		X	X	X	X	X	12					
C1-01-20211019	10/19/21	0830	SOIL		X	X	X	X	X	13					
C1-05-20211019	10/19/21	0832	SOIL		X	X	X	X	X	14					
C2-01-20211019	10/19/21	0544	SOIL		X	X	X	X	X	15					
C2-03-20211019	10/19/21	0545	SOIL		X	X	X	X	X	16					
Relinquished by: (signature) <i>Kalvin McAdams</i>					Date / Time	10/19/21	1342	Received by: (signature) <i>AS</i>	Date / Time	10-19-21	1342	Chain of Custody seals Y/N/A	Seals intact? Y/N/A	Total # of containers	Notes
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time			Received good condition/cold			
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time			Turn around time:			

Sample disposal instructions: Disposal @ \$2.00 each

Return to client

Pickup

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Chain of Custody Record

Client: Equipoise Corp
 Address: 119 S Arrowhead St, San Bernardino
 Phone: (909) 615 - 0005
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21 Page: 2 of 8
 Project Name: HMC Arrowhead
 Collector: T21365 Client Project #: _____
 Batch #: T21365 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	PH	Laboratory ID #	Comments/Preservative	Total # of containers
A1-03-20211019	10/19/21	1041	SOIL	Stevia	X	17		
A1-01-20211019	10/19/21	1043	SOIL		X	18		
A2-10-20211019	10/19/21	1100	SOIL		X	19		
A2-15-20211019	10/19/21	1059	SOIL		X	20		
A3-03-20211019	10/19/21	1110	SOIL		X	21		
A3-10-20211019	10/19/21	1118	SOIL		X	22		
B1-05-20211019	10/19/21	1025	SOIL		X	23		
B1-10-20211019	10/19/21	1026	SOIL		X	24		
B2-03-20211019	10/19/21	1004	SOIL		X	25		
B2-10-20211019	10/19/21	1000	SOIL		X	26		
B3-10-20211019	10/19/21	0944	SOIL		X	27		
B3-05-20211019	10/19/21	0943	SOIL		X	28		
C1-03-20211019	10/19/21	0831	SOIL		X	29		
C1-10-20211019	10/19/21	0833	SOIL		X	30		
C2-05-20211019	10/19/21	0846	SOIL		X	31		
C2-10-20211019	10/19/21	0847	SOIL		X	32		
Relinquished by: (signature) <u>Kathryn McFadden</u>	Date / Time <u>10/19/21 1342</u>	Received by: (signature) <u>[Signature]</u>	Date / Time <u>10-19-21 1342</u>	Total # of containers		Notes		
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Chain of Custody seals <u>Y/N/A</u>		Seals intact? <u>Y/N/A</u>		
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Received good condition/cold				
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Turn around time: <u>STP</u>				

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

Chain of Custody Record

Sheet 4

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12 Page: 3 of 8

Project Name: HMC Arrowhead

Collector: 7213165

Batch #: 7213165 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	Analytes					Laboratory ID #	Comments/Preservative	
					8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs			
C3-D1 -202110 19	10/19/12	0903	SOIL	Sleeve	X	X	X	X	X	33		
C3-D5 -202110 19	10/19/12	0905	SOIL		X	X	X	X	X	34		
D1-D1 -202110 19	10/19/12	0810	SOIL		X	X	X	X	X	35		
D1-D5 -202110 19	10/19/12	0811	SOIL		X	X	X	X	X	36		
D2-D1 -202110 19	10/19/12	0752	SOIL		X	X	X	X	X	37		
D2-D5 -202110 19	10/19/12	0754	SOIL		X	X	X	X	X	38		
D3-D1 -202110 19	10/19/12	0735	SOIL		X	X	X	X	X	39		
D3-D5 -202110 19	10/19/12	0736	SOIL		X	X	X	X	X	40		
E1-D1 -202110 18	10/18/12	1430	SOIL		X	X	X	X	X	41		
E1-D5 -202110 18	10/18/12	1432	SOIL		X	X	X	X	X	42		
E2-D1 -202110 18	10/18/12	1440	SOIL		X	X	X	X	X	43		
E2-D5 -202110 18	10/18/12	1447	SOIL		X	X	X	X	X	44		
E3-D1 -202110 18	10/18/12	1504	SOIL		X	X	X	X	X	45		
E3-D5 -202110 18	10/18/12	1506	SOIL		X	X	X	X	X	46		
F1-D1 -202110 18	10/18/12	1555	SOIL		X	X	X	X	X	47		
F1-D5 -202110 18	10/18/12	1556	SOIL		X	X	X	X	X	48		
Relinquished by: (signature) <u>Kueym McFadden</u>					Received by: (signature) <u>[Signature]</u>	Date / Time	<u>10/19/12</u>	<u>1342</u>	Total # of containers			Notes
Relinquished by: (signature)					Received by: (signature)	Date / Time	<u>10/19/12</u>	<u>1342</u>	Chain of Custody seals Y/N/A			
Relinquished by: (signature)					Received by: (signature)	Date / Time			Seals intact? Y/N/A			
Relinquished by: (signature)					Received by: (signature)	Date / Time			Received good condition/acid			
Relinquished by: (signature)					Received by: (signature)	Date / Time			Turn around time: <u>STD</u>			

Sample disposal instructions: Disposal @ \$2.00 each

Return to client

Pickup

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 1311 Calle Batido, San Clemente
 Phone: (909) 615 - 0005 Fax: _____
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21 Page: 4 of 2
 Project Name: HMC Arrowhead
 Collector: _____
 Batch #: T213165 Client Project #: _____
 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	PH	Laboratory ID #	Comments/Preservative	Total # of containers							
C3-03 -202110 19	10/19/21	0704	SOIL	Skewer	X	59									
C3-10 -202110 19	10/19/21	0900	SOIL		X	50									
D1-05 -202110 19	10/19/21	0812	SOIL		X	51									
D1-10 -202110 19	10/19/21	0813	SOIL		X	52									
D2-03 -202110 19	10/19/21	0753	SOIL		X	53									
D2-10 -202110 19	10/19/21	0753	SOIL		X	54									
D3-05 -202110 19	10/19/21	0807	SOIL		X	55									
D3-10 -202110 19	10/19/21	0738	SOIL		X	56									
E1-03 -202110 18	10/18/21	1431	SOIL		X	57									
E1-10 -202110 18	10/18/21	1433	SOIL		X	58									
E2-05 -202110 18	10/18/21	1448	SOIL		X	59									
E2-10 -202110 18	10/18/21	1449	SOIL		X	60									
E3-03 -202110 18	10/18/21	1505	SOIL		X	61									
E3-10 -202110 18	10/18/21	1507	SOIL		X	62									
F1-05 -202110 18	10/18/21	1367	SOIL		X	63									
F1-10 -202110 18	10/18/21	1358	SOIL		X	64									
Relinquished by: (signature) <u>Koalynn Mettler</u>					Date / Time	10/19/21	1342	Received by: (signature) <u>[Signature]</u>	Date / Time	10/19/21	1342	Chain of Custody seals <u>Y/N/A</u>	Seals intact? <u>Y/N/A</u>	Received good condition/cold	<u>21°C</u>
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time						
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time						

Sample disposal instructions: Disposal @ \$2.00 each Return to client _____ Pickup _____ Turn around time: 5TB

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T213165
 Client Name: Equusaise Corp Project: 41MC Arrowhead
 Delivered by: Client SunStar Courier GLS FedEx Other
 If Courier, Received by: _____ Date/Time Courier Received: _____
 Lab Received by: Dave Date/Time Lab Received: 10/19/21 13:42
 Total number of coolers received: 1 Thermometer ID: SC-Gun Calibration due : 8/4/22

Temperature:	Cooler #1	2.0 °C +/- the CF (+ 0.1°C) =	2.1 °C corrected temperature
Temperature:	Cooler #2	°C +/- the CF (+ 0.1°C) =	°C corrected temperature
Temperature:	Cooler #3	°C +/- the CF (+ 0.1°C) =	°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If NO:			
Samples received on ice?		<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?		<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample Yes No* N/A
 Sample containers intact Yes No*
 Sample labels match Chain of Custody IDs Yes No*
 Total number of containers received match COC Yes No*
 Proper containers received for analyses requested on COC Yes No*
 Proper preservative indicated on COC/containers for analyses requested Yes No* N/A
 Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: JB 10/19/21

Comments: Sample #50 ("C3-10-20211019") was not received with a container. Sample ID's and ^{on 10/19/21} sampled times for sample #34 and #49 were swapped on the COC and container, as clarified by the client.

SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # 7213165

▪ **COOLERS**

- Not Received (received COC only)
- Leaking/Damaged
- Other:

▪ **CUSTODY SEALS**

- None
- Not Intact

▪ **TEMPERATURE (Temp criteria $\leq 6^{\circ}\text{C}$)**

- Cooler/Sample Temp(s)
- Temperature Blank(s)

▪ **CHAIN OF CUSTODY (COC)**

Not relinquished by client; No date/time relinquished

- Incomplete information provided
- COC not received – notify PM

▪ **CONTAINERS**

- Leaking Broken
- Extra Missing

▪ **LABELS**

- Not the same sample ID / info as on the COC
- Incomplete Information
- Markings/Info illegible

▪ **SAMPLES**

- Samples **NOT RECEIVED** but listed on COC
- Samples received but **NOT LISTED** on COC
- Logged based on Label Information and not COC
- Logged according to Work Plan and not COC
- Logged in, **ON HOLD** until further notice
- Insufficient quantities for analysis
- Improper container used

- Mislabeled as to tests, preservatives, etc.
- Holding time expired – list sample ID and test
- Not preserved/Improper preservative used
- Without Labels, no information on containers
- VOA vial(s) containing headspace >6mm
- Other

Project Manager notified of sample non-conformance(s) Yes No

All samples accepted for processing and distributing to laboratory(ies) Yes No

For samples not accepted due to non-conformance, specify each specific sample ID being rejected in the comments section below:

Comments:

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
 Melissa Robinson
 1311 Calle Batido, Suite 260
 San Clemente, CA 92673

Date Due: 10/26/21 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 10/19/21 13:42

Logged In By: Jennifer Berger

Date Logged In: 10/19/21 16:05

Samples Received at: **2.1°C**
 Custody Seals No Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confirmed No

Analysis	Due	TAT	Expires	Comments
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T213165-01 A1-01-20211019 [Soil] Sampled 10/19/21 10:40 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/17/22 10:40	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:40	
8082 PCB	10/26/21 15:00	5	11/02/21 10:40	
8260	10/26/21 15:00	5	11/02/21 10:40	
8270C PAH	10/26/21 15:00	5	11/02/21 10:40	

T213165-02 A1-05-20211019 [Soil] Sampled 10/19/21 10:42 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/17/22 10:42	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:42	
8260	10/26/21 15:00	5	11/02/21 10:42	

T213165-03 A2-01-20211019 [Soil] Sampled 10/19/21 10:57 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/17/22 10:57	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:57	
8082 PCB	10/26/21 15:00	5	11/02/21 10:57	
8260	10/26/21 15:00	5	11/02/21 10:57	
8270C PAH	10/26/21 15:00	5	11/02/21 10:57	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-04 A2-03-20211019 [Soil] Sampled 10/19/21 10:58 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:58	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:58	
8260	10/26/21 15:00	5	11/02/21 10:58	
T213165-05 A3-01-20211019 [Soil] Sampled 10/19/21 11:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 11:15	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 11:15	
8082 PCB	10/26/21 15:00	5	11/02/21 11:15	
8260	10/26/21 15:00	5	11/02/21 11:15	
8270C PAH	10/26/21 15:00	5	11/02/21 11:15	
T213165-06 A3-05-20211019 [Soil] Sampled 10/19/21 11:17 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 11:17	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 11:17	
8260	10/26/21 15:00	5	11/02/21 11:17	
T213165-07 B1-01-20211019 [Soil] Sampled 10/19/21 10:23 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:23	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:23	
8082 PCB	10/26/21 15:00	5	11/02/21 10:23	
8260	10/26/21 15:00	5	11/02/21 10:23	
8270C PAH	10/26/21 15:00	5	11/02/21 10:23	
T213165-08 B1-03-20211019 [Soil] Sampled 10/19/21 10:24 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:24	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:24	
8260	10/26/21 15:00	5	11/02/21 10:24	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-09 B2-01-20211019 [Soil] Sampled 10/19/21 10:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:03	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:03	
8082 PCB	10/26/21 15:00	5	11/02/21 10:03	
8260	10/26/21 15:00	5	11/02/21 10:03	
8270C PAH	10/26/21 15:00	5	11/02/21 10:03	
T213165-10 B2-05-20211019 [Soil] Sampled 10/19/21 10:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:05	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:05	
8260	10/26/21 15:00	5	11/02/21 10:05	
T213165-11 B3-01-20211019 [Soil] Sampled 10/19/21 09:41 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:41	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:41	
8082 PCB	10/26/21 15:00	5	11/02/21 09:41	
8260	10/26/21 15:00	5	11/02/21 09:41	
8270C PAH	10/26/21 15:00	5	11/02/21 09:41	
T213165-12 B3-03-20211019 [Soil] Sampled 10/19/21 09:42 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:42	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:42	
8260	10/26/21 15:00	5	11/02/21 09:42	
T213165-13 C1-01-20211019 [Soil] Sampled 10/19/21 08:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:30	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:30	
8082 PCB	10/26/21 15:00	5	11/02/21 08:30	
8260	10/26/21 15:00	5	11/02/21 08:30	
8270C PAH	10/26/21 15:00	5	11/02/21 08:30	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-14 C1-05-20211019 [Soil] Sampled 10/19/21 08:32 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:32	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:32	
8260	10/26/21 15:00	5	11/02/21 08:32	
T213165-15 C2-01-20211019 [Soil] Sampled 10/19/21 08:44 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:44	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:44	
8082 PCB	10/26/21 15:00	5	11/02/21 08:44	
8260	10/26/21 15:00	5	11/02/21 08:44	
8270C PAH	10/26/21 15:00	5	11/02/21 08:44	
T213165-16 C2-03-20211019 [Soil] Sampled 10/19/21 08:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:45	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:45	
8260	10/26/21 15:00	5	11/02/21 08:45	
T213165-17 A1-03-20211019 [Soil] Sampled 10/19/21 10:41 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213165-18 A1-10-20211019 [Soil] Sampled 10/19/21 10:43 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213165-19 A2-10-20211019 [Soil] Sampled 10/19/21 11:00 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213165-20 A2-05-20211019 [Soil] Sampled 10/19/21 10:59 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213165-21 A3-03-20211019 [Soil] Sampled 10/19/21 11:16 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-22 A3-10-20211019 [Soil] Sampled 10/19/21 11:18 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-23 B1-05-20211019 [Soil] Sampled 10/19/21 10:25 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-24 B1-10-20211019 [Soil] Sampled 10/19/21 10:26 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-25 B2-03-20211019 [Soil] Sampled 10/19/21 10:04 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-26 B2-10-20211019 [Soil] Sampled 10/19/21 10:06 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-27 B3-10-20211019 [Soil] Sampled 10/19/21 09:44 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-28 B3-05-20211019 [Soil] Sampled 10/19/21 09:43 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-29 C1-03-20211019 [Soil] Sampled 10/19/21 08:31 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-30 C1-10-20211019 [Soil] Sampled 10/19/21 08:33 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-31 C2-05-20211019 [Soil] Sampled 10/19/21 08:46 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-32 C2-10-20211019 [Soil] Sampled 10/19/21 08:47 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-33 C3-01-20211019 [Soil] Sampled 10/19/21 09:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:03	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:03	
8082 PCB	10/26/21 15:00	5	11/02/21 09:03	
8260	10/26/21 15:00	5	11/02/21 09:03	
8270C PAH	10/26/21 15:00	5	11/02/21 09:03	
T213165-34 C3-03-20211019 [Soil] Sampled 10/19/21 09:04 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:04	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:04	
8260	10/26/21 15:00	5	11/02/21 09:04	
T213165-35 D1-01-20211019 [Soil] Sampled 10/19/21 08:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:10	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:10	
8082 PCB	10/26/21 15:00	5	11/02/21 08:10	
8260	10/26/21 15:00	5	11/02/21 08:10	
8270C PAH	10/26/21 15:00	5	11/02/21 08:10	
T213165-36 D1-03-20211019 [Soil] Sampled 10/19/21 08:11 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:11	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:11	
8260	10/26/21 15:00	5	11/02/21 08:11	
T213165-37 D2-01-20211019 [Soil] Sampled 10/19/21 07:52 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:52	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:52	
8082 PCB	10/26/21 15:00	5	11/02/21 07:52	
8260	10/26/21 15:00	5	11/02/21 07:52	
8270C PAH	10/26/21 15:00	5	11/02/21 07:52	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-38 D2-05-20211019 [Soil] Sampled 10/19/21 07:54 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:54	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:54	
8260	10/26/21 15:00	5	11/02/21 07:54	
T213165-39 D3-01-20211019 [Soil] Sampled 10/19/21 07:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:35	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:35	
8082 PCB	10/26/21 15:00	5	11/02/21 07:35	
8260	10/26/21 15:00	5	11/02/21 07:35	
8270C PAH	10/26/21 15:00	5	11/02/21 07:35	
T213165-40 D3-03-20211019 [Soil] Sampled 10/19/21 07:36 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:36	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:36	
8260	10/26/21 15:00	5	11/02/21 07:36	
T213165-41 E1-01-20211018 [Soil] Sampled 10/18/21 14:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:30	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:30	
8082 PCB	10/26/21 15:00	5	11/01/21 14:30	
8260	10/26/21 15:00	5	11/01/21 14:30	
8270C PAH	10/26/21 15:00	5	11/01/21 14:30	
T213165-42 E1-05-20211018 [Soil] Sampled 10/18/21 14:32 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:32	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:32	
8260	10/26/21 15:00	5	11/01/21 14:32	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-43 E2-01-20211018 [Soil] Sampled 10/18/21 14:46 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:46	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:46	
8082 PCB	10/26/21 15:00	5	11/01/21 14:46	
8260	10/26/21 15:00	5	11/01/21 14:46	
8270C PAH	10/26/21 15:00	5	11/01/21 14:46	
T213165-44 E2-03-20211018 [Soil] Sampled 10/18/21 14:47 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:47	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:47	
8260	10/26/21 15:00	5	11/01/21 14:47	
T213165-45 E3-01-20211018 [Soil] Sampled 10/18/21 15:04 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 15:04	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 15:04	
8082 PCB	10/26/21 15:00	5	11/01/21 15:04	
8260	10/26/21 15:00	5	11/01/21 15:04	
8270C PAH	10/26/21 15:00	5	11/01/21 15:04	
T213165-46 E3-05-20211018 [Soil] Sampled 10/18/21 15:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 15:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 15:06	
8260	10/26/21 15:00	5	11/01/21 15:06	
T213165-47 F1-01-20211018 [Soil] Sampled 10/18/21 13:55 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 13:55	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:55	
8082 PCB	10/26/21 15:00	5	11/01/21 13:55	
8260	10/26/21 15:00	5	11/01/21 13:55	
8270C PAH	10/26/21 15:00	5	11/01/21 13:55	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-48 F1-03-20211018 [Soil] Sampled 10/18/21 13:56 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 13:56	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:56	
8260	10/26/21 15:00	5	11/01/21 13:56	
T213165-49 C3-03-20211019 [Soil] Sampled 10/19/21 09:05 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-50 C3-10-20211019 [Soil] Sampled 10/19/21 09:06 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-51 D1-05-20211019 [Soil] Sampled 10/19/21 08:12 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-52 D1-10-20211019 [Soil] Sampled 10/19/21 08:13 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-53 D2-03-20211019 [Soil] Sampled 10/19/21 07:53 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-54 D2-10-20211019 [Soil] Sampled 10/19/21 07:55 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-55 D3-05-20211019 [Soil] Sampled 10/19/21 07:37 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-56 D3-10-20211019 [Soil] Sampled 10/19/21 07:38 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-57 E1-03-20211018 [Soil] Sampled 10/18/21 14:31 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-58 E1-10-20211018 [Soil] Sampled 10/18/21 14:33 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-59 E2-05-20211018 [Soil] Sampled 10/18/21 14:48 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-60 E2-10-20211018 [Soil] Sampled 10/18/21 14:49 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-61 E3-03-20211018 [Soil] Sampled 10/18/21 15:05 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-62 E3-10-20211018 [Soil] Sampled 10/18/21 15:07 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-63 F1-05-20211018 [Soil] Sampled 10/18/21 13:57 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-64 F1-10-20211018 [Soil] Sampled 10/18/21 13:58 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22

7470/71 Hg



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

27 October 2021

Melissa Robinson
Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente, CA 92673
RE: HMC Arrowhead

Enclosed are the results of analyses for samples received by the laboratory on 10/19/21 13:42. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin For Mike Jaroudi
Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
F2-01-20211018	T213166-01	Soil	10/18/21 13:38	10/19/21 13:42
F2-05-20211018	T213166-02	Soil	10/18/21 13:40	10/19/21 13:42
F3-01-20211018	T213166-03	Soil	10/18/21 13:17	10/19/21 13:42
F3-03-20211018	T213166-04	Soil	10/18/21 13:18	10/19/21 13:42
G1-01-20211018	T213166-05	Soil	10/18/21 12:04	10/19/21 13:42
G1-05-20211018	T213166-06	Soil	10/18/21 12:06	10/19/21 13:42
G2-01-20211018	T213166-07	Soil	10/18/21 12:18	10/19/21 13:42
G2-03-20211018	T213166-08	Soil	10/18/21 12:19	10/19/21 13:42
G3-01-20211018	T213166-09	Soil	10/18/21 12:53	10/19/21 13:42
G3-03-20211018	T213166-10	Soil	10/18/21 12:54	10/19/21 13:42
H1-01-20211018	T213166-11	Soil	10/18/21 09:51	10/19/21 13:42
H1-03-20211018	T213166-12	Soil	10/18/21 09:52	10/19/21 13:42
H2-01-20211018	T213166-13	Soil	10/18/21 11:03	10/19/21 13:42
H2-05-20211018	T213166-14	Soil	10/18/21 11:05	10/19/21 13:42
H3-01-20211018	T213166-15	Soil	10/18/21 10:44	10/19/21 13:42
H3-03-20211018	T213166-16	Soil	10/18/21 10:45	10/19/21 13:42
I1-01-20211018	T213166-33	Soil	10/18/21 10:06	10/19/21 13:42
I1-05-20211018	T213166-34	Soil	10/18/21 10:08	10/19/21 13:42
I2-01-20211018	T213166-35	Soil	10/18/21 10:27	10/19/21 13:42
I2-03-20211018	T213166-36	Soil	10/18/21 10:28	10/19/21 13:42
I3-01-20211018	T213166-37	Soil	10/18/21 09:24	10/19/21 13:42
I3-03-20211018	T213166-38	Soil	10/18/21 09:25	10/19/21 13:42
I4-01-20211018	T213166-39	Soil	10/18/21 09:06	10/19/21 13:42
I4-05-20211018	T213166-40	Soil	10/18/21 09:09	10/19/21 13:42
J1-01-20211018	T213166-41	Soil	10/18/21 08:49	10/19/21 13:42
J1-05-20211018	T213166-42	Soil	10/18/21 08:51	10/19/21 13:42

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Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
J2-01-20211018	T213166-43	Soil	10/18/21 08:34	10/19/21 13:42
J2-03-20211018	T213166-44	Soil	10/18/21 08:35	10/19/21 13:42
K1-01-20211018	T213166-45	Soil	10/18/21 08:05	10/19/21 13:42
K1-05-20211018	T213166-46	Soil	10/18/21 08:09	10/19/21 13:42

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

DETECTIONS SUMMARY

Sample ID: F2-01-20211018

Laboratory ID: T213166-01

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	97	10		mg/kg	EPA 8015B	D-06
Barium	79	1.0		mg/kg	EPA 6010b	
Cadmium	4.9	2.0		mg/kg	EPA 6010b	
Chromium	45	2.0		mg/kg	EPA 6010b	
Cobalt	8.4	2.0		mg/kg	EPA 6010b	
Copper	200	1.0		mg/kg	EPA 6010b	
Lead	250	3.0		mg/kg	EPA 6010b	
Molybdenum	27	5.0		mg/kg	EPA 6010b	
Nickel	47	2.0		mg/kg	EPA 6010b	
Vanadium	17	5.0		mg/kg	EPA 6010b	
Zinc	340	1.0		mg/kg	EPA 6010b	

Sample ID: F2-05-20211018

Laboratory ID: T213166-02

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	43	1.0		mg/kg	EPA 6010b	
Chromium	9.2	2.0		mg/kg	EPA 6010b	
Cobalt	4.7	2.0		mg/kg	EPA 6010b	
Copper	5.5	1.0		mg/kg	EPA 6010b	
Nickel	5.4	2.0		mg/kg	EPA 6010b	
Vanadium	20	5.0		mg/kg	EPA 6010b	
Zinc	25	1.0		mg/kg	EPA 6010b	

Sample ID: F3-01-20211018

Laboratory ID: T213166-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Silver	2.3	2.0		mg/kg	EPA 6010b	
Barium	22	1.0		mg/kg	EPA 6010b	
Chromium	5.5	2.0		mg/kg	EPA 6010b	
Cobalt	2.3	2.0		mg/kg	EPA 6010b	
Copper	13	1.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: F3-01-20211018

Laboratory ID: T213166-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	19	3.0		mg/kg	EPA 6010b	
Nickel	4.4	2.0		mg/kg	EPA 6010b	
Vanadium	8.8	5.0		mg/kg	EPA 6010b	
Zinc	49	1.0		mg/kg	EPA 6010b	
Benzo (a) anthracene	1100	300		ug/kg	EPA 8270C	
Benzo (b) fluoranthene	2200	300		ug/kg	EPA 8270C	
Benzo (k) fluoranthene	850	300		ug/kg	EPA 8270C	
Benzo (g,h,i) perylene	1100	1000		ug/kg	EPA 8270C	
Benzo (a) pyrene	1700	300		ug/kg	EPA 8270C	
Chrysene	1600	300		ug/kg	EPA 8270C	
Dibenz (a,h) anthracene	320	300		ug/kg	EPA 8270C	
Fluoranthene	1100	300		ug/kg	EPA 8270C	
Indeno (1,2,3-cd) pyrene	980	300		ug/kg	EPA 8270C	
Pyrene	1500	300		ug/kg	EPA 8270C	

Sample ID: F3-03-20211018

Laboratory ID: T213166-04

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	50	1.0		mg/kg	EPA 6010b	
Chromium	8.8	2.0		mg/kg	EPA 6010b	
Cobalt	6.1	2.0		mg/kg	EPA 6010b	
Copper	5.2	1.0		mg/kg	EPA 6010b	
Nickel	5.7	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	35	1.0		mg/kg	EPA 6010b	

Sample ID: G1-01-20211018

Laboratory ID: T213166-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	47	1.0		mg/kg	EPA 6010b	
Chromium	11	2.0		mg/kg	EPA 6010b	
Cobalt	5.0	2.0		mg/kg	EPA 6010b	
Copper	13	1.0		mg/kg	EPA 6010b	
Lead	50	3.0		mg/kg	EPA 6010b	
Nickel	8.9	2.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: G1-01-20211018

Laboratory ID: T213166-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Vanadium	20	5.0	mg/kg	EPA 6010b	
Zinc	65	1.0	mg/kg	EPA 6010b	

Sample ID: G1-05-20211018

Laboratory ID: T213166-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	23	1.0	mg/kg	EPA 6010b	
Chromium	4.6	2.0	mg/kg	EPA 6010b	
Cobalt	3.5	2.0	mg/kg	EPA 6010b	
Copper	3.4	1.0	mg/kg	EPA 6010b	
Nickel	3.6	2.0	mg/kg	EPA 6010b	
Vanadium	15	5.0	mg/kg	EPA 6010b	
Zinc	18	1.0	mg/kg	EPA 6010b	

Sample ID: G2-01-20211018

Laboratory ID: T213166-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C29-C40 (MORO)	1200	100	mg/kg	EPA 8015B	D-06
Barium	33	1.0	mg/kg	EPA 6010b	
Chromium	15	2.0	mg/kg	EPA 6010b	
Cobalt	3.7	2.0	mg/kg	EPA 6010b	
Copper	14	1.0	mg/kg	EPA 6010b	
Lead	11	3.0	mg/kg	EPA 6010b	
Nickel	16	2.0	mg/kg	EPA 6010b	
Vanadium	17	5.0	mg/kg	EPA 6010b	
Zinc	27	1.0	mg/kg	EPA 6010b	

Sample ID: G2-03-20211018

Laboratory ID: T213166-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C13-C28 (DRO)	63	10	mg/kg	EPA 8015B	D-06
C29-C40 (MORO)	420	10	mg/kg	EPA 8015B	D-06
Barium	56	1.0	mg/kg	EPA 6010b	
Chromium	39	2.0	mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: G2-03-20211018

Laboratory ID: T213166-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Cobalt	5.5	2.0		mg/kg	EPA 6010b	
Copper	23	1.0		mg/kg	EPA 6010b	
Lead	51	3.0		mg/kg	EPA 6010b	
Nickel	37	2.0		mg/kg	EPA 6010b	
Vanadium	18	5.0		mg/kg	EPA 6010b	
Zinc	84	1.0		mg/kg	EPA 6010b	

Sample ID: G3-01-20211018

Laboratory ID: T213166-09

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	88	10		mg/kg	EPA 8015B	D-06
Barium	10	1.0		mg/kg	EPA 6010b	
Chromium	41	2.0		mg/kg	EPA 6010b	
Copper	17	1.0		mg/kg	EPA 6010b	
Lead	6.6	3.0		mg/kg	EPA 6010b	
Molybdenum	110	5.0		mg/kg	EPA 6010b	
Nickel	47	2.0		mg/kg	EPA 6010b	
Zinc	4.0	1.0		mg/kg	EPA 6010b	
Benzo (a) anthracene	1100	300		ug/kg	EPA 8270C	
Benzo (b) fluoranthene	2300	300		ug/kg	EPA 8270C	
Benzo (k) fluoranthene	1400	300		ug/kg	EPA 8270C	
Benzo (g,h,i) perylene	2200	1000		ug/kg	EPA 8270C	
Benzo (a) pyrene	2500	300		ug/kg	EPA 8270C	
Chrysene	1400	300		ug/kg	EPA 8270C	
Dibenz (a,h) anthracene	720	300		ug/kg	EPA 8270C	
Fluoranthene	550	300		ug/kg	EPA 8270C	
Indeno (1,2,3-cd) pyrene	2000	300		ug/kg	EPA 8270C	
Pyrene	760	300		ug/kg	EPA 8270C	

Sample ID: G3-03-20211018

Laboratory ID: T213166-10

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	51	10		mg/kg	EPA 8015B	D-06
Antimony	17	3.0		mg/kg	EPA 6010b	
Barium	78	1.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: G3-03-20211018

Laboratory ID: T213166-10

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Cadmium	6.6	2.0		mg/kg	EPA 6010b	
Chromium	2100	2.0		mg/kg	EPA 6010b	
Cobalt	16	2.0		mg/kg	EPA 6010b	
Copper	760	1.0		mg/kg	EPA 6010b	
Lead	730	3.0		mg/kg	EPA 6010b	
Molybdenum	70	5.0		mg/kg	EPA 6010b	
Nickel	1400	2.0		mg/kg	EPA 6010b	
Vanadium	9.1	5.0		mg/kg	EPA 6010b	
Zinc	290	1.0		mg/kg	EPA 6010b	
1,1-Dichloroethane	9.3	2.5		ug/kg	EPA 8260B	
1,2-Dichloroethane	2.9	2.5		ug/kg	EPA 8260B	
1,1,1-Trichloroethane	42	2.5		ug/kg	EPA 8260B	

Sample ID: H1-01-20211018

Laboratory ID: T213166-11

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	35	10		mg/kg	EPA 8015B	D-06
Barium	50	1.0		mg/kg	EPA 6010b	
Chromium	11	2.0		mg/kg	EPA 6010b	
Cobalt	5.2	2.0		mg/kg	EPA 6010b	
Copper	11	1.0		mg/kg	EPA 6010b	
Lead	17	3.0		mg/kg	EPA 6010b	
Nickel	8.9	2.0		mg/kg	EPA 6010b	
Vanadium	23	5.0		mg/kg	EPA 6010b	
Zinc	44	1.0		mg/kg	EPA 6010b	

Sample ID: H1-03-20211018

Laboratory ID: T213166-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	20	1.0		mg/kg	EPA 6010b	
Chromium	4.8	2.0		mg/kg	EPA 6010b	
Cobalt	4.2	2.0		mg/kg	EPA 6010b	
Copper	3.4	1.0		mg/kg	EPA 6010b	
Nickel	3.0	2.0		mg/kg	EPA 6010b	
Vanadium	15	5.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: H1-03-20211018

Laboratory ID: T213166-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Zinc	15	1.0		mg/kg	EPA 6010b	

Sample ID: H2-01-20211018

Laboratory ID: T213166-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	24	10		mg/kg	EPA 8015B	D-06
Barium	62	1.0		mg/kg	EPA 6010b	
Chromium	230	2.0		mg/kg	EPA 6010b	
Cobalt	6.8	2.0		mg/kg	EPA 6010b	
Copper	56	1.0		mg/kg	EPA 6010b	
Lead	110	3.0		mg/kg	EPA 6010b	
Molybdenum	13	5.0		mg/kg	EPA 6010b	
Nickel	290	2.0		mg/kg	EPA 6010b	
Vanadium	16	5.0		mg/kg	EPA 6010b	
Zinc	150	1.0		mg/kg	EPA 6010b	
PCB-1260	45	10		ug/kg	EPA 8082	

Sample ID: H2-05-20211018

Laboratory ID: T213166-14

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	73	1.0		mg/kg	EPA 6010b	
Chromium	36	2.0		mg/kg	EPA 6010b	
Cobalt	8.2	2.0		mg/kg	EPA 6010b	
Copper	15	1.0		mg/kg	EPA 6010b	
Lead	11	3.0		mg/kg	EPA 6010b	
Molybdenum	7.6	5.0		mg/kg	EPA 6010b	
Nickel	18	2.0		mg/kg	EPA 6010b	
Vanadium	34	5.0		mg/kg	EPA 6010b	
Zinc	51	1.0		mg/kg	EPA 6010b	

Sample ID: H3-01-20211018

Laboratory ID: T213166-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	380	10		mg/kg	EPA 8015B	D-06

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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 Lake Forest, California 92630
 949.297.5020 Phone
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Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

Sample ID: H3-01-20211018

Laboratory ID: T213166-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	2400	10		mg/kg	EPA 8015B	D-06
Barium	66	1.0		mg/kg	EPA 6010b	
Chromium	51	2.0		mg/kg	EPA 6010b	
Cobalt	5.4	2.0		mg/kg	EPA 6010b	
Copper	26	1.0		mg/kg	EPA 6010b	
Lead	22	3.0		mg/kg	EPA 6010b	
Molybdenum	7.6	5.0		mg/kg	EPA 6010b	
Nickel	62	2.0		mg/kg	EPA 6010b	
Vanadium	17	5.0		mg/kg	EPA 6010b	
Zinc	53	1.0		mg/kg	EPA 6010b	

Sample ID: H3-03-20211018

Laboratory ID: T213166-16

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	33	10		mg/kg	EPA 8015B	D-06
Arsenic	16	5.0		mg/kg	EPA 6010b	
Barium	46	1.0		mg/kg	EPA 6010b	
Chromium	10	2.0		mg/kg	EPA 6010b	
Cobalt	5.8	2.0		mg/kg	EPA 6010b	
Copper	6.7	1.0		mg/kg	EPA 6010b	
Lead	19	3.0		mg/kg	EPA 6010b	
Nickel	7.2	2.0		mg/kg	EPA 6010b	
Vanadium	23	5.0		mg/kg	EPA 6010b	
Zinc	47	1.0		mg/kg	EPA 6010b	

Sample ID: I1-01-20211018

Laboratory ID: T213166-33

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	47	10		mg/kg	EPA 8015B	D-06
Barium	51	1.0		mg/kg	EPA 6010b	
Chromium	12	2.0		mg/kg	EPA 6010b	
Cobalt	5.5	2.0		mg/kg	EPA 6010b	
Copper	11	1.0		mg/kg	EPA 6010b	
Lead	9.3	3.0		mg/kg	EPA 6010b	
Nickel	9.6	2.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: I1-01-20211018

Laboratory ID: T213166-33

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Vanadium	24	5.0		mg/kg	EPA 6010b	
Zinc	35	1.0		mg/kg	EPA 6010b	

Sample ID: I1-05-20211018

Laboratory ID: T213166-34

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	11	10		mg/kg	EPA 8015B	D-03
Barium	29	1.0		mg/kg	EPA 6010b	
Chromium	7.3	2.0		mg/kg	EPA 6010b	
Cobalt	4.7	2.0		mg/kg	EPA 6010b	
Copper	6.0	1.0		mg/kg	EPA 6010b	
Nickel	4.0	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	
Zinc	27	1.0		mg/kg	EPA 6010b	

Sample ID: I2-01-20211018

Laboratory ID: T213166-35

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	61	1.0		mg/kg	EPA 6010b	
Chromium	32	2.0		mg/kg	EPA 6010b	
Cobalt	8.2	2.0		mg/kg	EPA 6010b	
Copper	16	1.0		mg/kg	EPA 6010b	
Lead	540	3.0		mg/kg	EPA 6010b	
Nickel	15	2.0		mg/kg	EPA 6010b	
Vanadium	28	5.0		mg/kg	EPA 6010b	
Zinc	100	1.0		mg/kg	EPA 6010b	

Sample ID: I2-03-20211018

Laboratory ID: T213166-36

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	53	1.0		mg/kg	EPA 6010b	
Chromium	11	2.0		mg/kg	EPA 6010b	
Cobalt	7.5	2.0		mg/kg	EPA 6010b	
Copper	5.8	1.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: I2-03-20211018

Laboratory ID: T213166-36

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Nickel	7.1	2.0		mg/kg	EPA 6010b	
Vanadium	27	5.0		mg/kg	EPA 6010b	
Zinc	41	1.0		mg/kg	EPA 6010b	

Sample ID: I3-01-20211018

Laboratory ID: T213166-37

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	48	10		mg/kg	EPA 8015B	D-06
Barium	59	1.0		mg/kg	EPA 6010b	
Chromium	170	2.0		mg/kg	EPA 6010b	
Cobalt	6.5	2.0		mg/kg	EPA 6010b	
Copper	17	1.0		mg/kg	EPA 6010b	
Lead	580	3.0		mg/kg	EPA 6010b	
Molybdenum	10	5.0		mg/kg	EPA 6010b	
Nickel	130	2.0		mg/kg	EPA 6010b	
Vanadium	23	5.0		mg/kg	EPA 6010b	
Zinc	130	1.0		mg/kg	EPA 6010b	
PCB-1260	110	100		ug/kg	EPA 8082	R-07

Sample ID: I3-03-20211018

Laboratory ID: T213166-38

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	57	1.0		mg/kg	EPA 6010b	
Chromium	9.8	2.0		mg/kg	EPA 6010b	
Cobalt	6.3	2.0		mg/kg	EPA 6010b	
Copper	5.6	1.0		mg/kg	EPA 6010b	
Nickel	6.0	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	
Zinc	36	1.0		mg/kg	EPA 6010b	

Sample ID: I4-01-20211018

Laboratory ID: T213166-39

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	47	1.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
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Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: 14-01-20211018

Laboratory ID: T213166-39

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chromium	9.3	2.0		mg/kg	EPA 6010b	
Cobalt	6.2	2.0		mg/kg	EPA 6010b	
Copper	8.8	1.0		mg/kg	EPA 6010b	
Lead	17	3.0		mg/kg	EPA 6010b	
Nickel	5.7	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	
Zinc	48	1.0		mg/kg	EPA 6010b	

Sample ID: 14-05-20211018

Laboratory ID: T213166-40

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	62	1.0		mg/kg	EPA 6010b	
Chromium	11	2.0		mg/kg	EPA 6010b	
Cobalt	6.5	2.0		mg/kg	EPA 6010b	
Copper	7.5	1.0		mg/kg	EPA 6010b	
Nickel	6.5	2.0		mg/kg	EPA 6010b	
Vanadium	25	5.0		mg/kg	EPA 6010b	
Zinc	35	1.0		mg/kg	EPA 6010b	

Sample ID: J1-01-20211018

Laboratory ID: T213166-41

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	16	10		mg/kg	EPA 8015B	D-06
Barium	40	1.0		mg/kg	EPA 6010b	
Chromium	34	2.0		mg/kg	EPA 6010b	
Cobalt	5.0	2.0		mg/kg	EPA 6010b	
Copper	18	1.0		mg/kg	EPA 6010b	
Lead	670	3.0		mg/kg	EPA 6010b	
Nickel	15	2.0		mg/kg	EPA 6010b	
Vanadium	17	5.0		mg/kg	EPA 6010b	
Zinc	210	1.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: J1-05-20211018

Laboratory ID: T213166-42

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	12	10		mg/kg	EPA 8015B	D-03
C29-C40 (MORO)	23	10		mg/kg	EPA 8015B	D-06
Barium	61	1.0		mg/kg	EPA 6010b	
Chromium	14	2.0		mg/kg	EPA 6010b	
Cobalt	8.0	2.0		mg/kg	EPA 6010b	
Copper	11	1.0		mg/kg	EPA 6010b	
Lead	3.8	3.0		mg/kg	EPA 6010b	
Nickel	8.1	2.0		mg/kg	EPA 6010b	
Vanadium	31	5.0		mg/kg	EPA 6010b	
Zinc	44	1.0		mg/kg	EPA 6010b	

Sample ID: J2-01-20211018

Laboratory ID: T213166-43

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	41	1.0		mg/kg	EPA 6010b	
Chromium	20	2.0		mg/kg	EPA 6010b	
Cobalt	4.9	2.0		mg/kg	EPA 6010b	
Copper	14	1.0		mg/kg	EPA 6010b	
Lead	57	3.0		mg/kg	EPA 6010b	
Nickel	16	2.0		mg/kg	EPA 6010b	
Vanadium	18	5.0		mg/kg	EPA 6010b	
Zinc	52	1.0		mg/kg	EPA 6010b	

Sample ID: J2-03-20211018

Laboratory ID: T213166-44

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	68	1.0		mg/kg	EPA 6010b	
Chromium	8.8	2.0		mg/kg	EPA 6010b	
Cobalt	5.2	2.0		mg/kg	EPA 6010b	
Copper	6.8	1.0		mg/kg	EPA 6010b	
Nickel	5.1	2.0		mg/kg	EPA 6010b	
Vanadium	20	5.0		mg/kg	EPA 6010b	
Zinc	40	1.0		mg/kg	EPA 6010b	

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Equipoise Corporation
1311 Calle Batido, Suite 260
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Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Sample ID: K1-01-20211018

Laboratory ID: T213166-45

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	33	1.0		mg/kg	EPA 6010b	
Chromium	8.4	2.0		mg/kg	EPA 6010b	
Cobalt	4.0	2.0		mg/kg	EPA 6010b	
Copper	7.4	1.0		mg/kg	EPA 6010b	
Lead	61	3.0		mg/kg	EPA 6010b	
Nickel	5.8	2.0		mg/kg	EPA 6010b	
Vanadium	16	5.0		mg/kg	EPA 6010b	
Zinc	58	1.0		mg/kg	EPA 6010b	

Sample ID: K1-05-20211018

Laboratory ID: T213166-46

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	32	1.0		mg/kg	EPA 6010b	
Chromium	8.6	2.0		mg/kg	EPA 6010b	
Cobalt	5.4	2.0		mg/kg	EPA 6010b	
Copper	4.8	1.0		mg/kg	EPA 6010b	
Nickel	5.0	2.0		mg/kg	EPA 6010b	
Vanadium	24	5.0		mg/kg	EPA 6010b	
Zinc	28	1.0		mg/kg	EPA 6010b	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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F2-01-20211018
T213166-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	97	10	"	"	"	"	"	"	D-06
Surrogate: <i>p</i> -Terphenyl		110 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	79	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	4.9	2.0	"	"	"	"	10/21/21	"	
Chromium	45	2.0	"	"	"	"	10/21/21	"	
Cobalt	8.4	2.0	"	"	"	"	10/21/21	"	
Copper	200	1.0	"	"	"	"	10/21/21	"	
Lead	250	3.0	"	"	"	"	10/21/21	"	
Molybdenum	27	5.0	"	"	"	"	"	"	
Nickel	47	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	17	5.0	"	"	"	"	10/21/21	"	
Zinc	340	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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F2-01-20211018
T213166-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		78.5 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		86.7 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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F2-01-20211018
T213166-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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F2-01-20211018
T213166-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.1 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		84.9 %	29.1-130		"	"	"	"	R-07

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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F2-05-20211018
T213166-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		112 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	43	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	9.2	2.0	"	"	"	"	"	"	
Cobalt	4.7	2.0	"	"	"	"	"	"	
Copper	5.5	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.4	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	25	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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F2-05-20211018
T213166-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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F2-05-20211018
T213166-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.0 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		99.5 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		100 %	82.6-117		"	"	"	"	

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F3-01-20211018
T213166-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.4 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	2.3	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	22	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	5.5	2.0	"	"	"	"	"	"	
Cobalt	2.3	2.0	"	"	"	"	"	"	
Copper	13	1.0	"	"	"	"	"	"	
Lead	19	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.4	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	8.8	5.0	"	"	"	"	"	"	
Zinc	49	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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F3-01-20211018
T213166-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		82.6 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		66.8 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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F3-01-20211018
T213166-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

F3-01-20211018
T213166-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.1 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.5 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	1100	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	2200	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	850	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	1100	1000	"	"	"	"	"	"	
Benzo (a) pyrene	1700	300	"	"	"	"	"	"	
Chrysene	1600	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	320	300	"	"	"	"	"	"	
Fluoranthene	1100	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	980	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	1500	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-dl4</i>		100 %	29.1-130		"	"	"	"	

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F3-03-20211018
T213166-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>118 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	50	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	8.8	2.0	"	"	"	"	"	"	
Cobalt	6.1	2.0	"	"	"	"	"	"	
Copper	5.2	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.7	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	22	5.0	"	"	"	"	"	"	
Zinc	35	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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F3-03-20211018
T213166-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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F3-03-20211018
T213166-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.2 %		75.4-139	"	"	"	"	
Surrogate: Dibromofluoromethane		98.8 %		73.1-125	"	"	"	"	
Surrogate: Toluene-d8		102 %		82.6-117	"	"	"	"	

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G1-01-20211018
T213166-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>110 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/21/21	"	
Arsenic	ND	5.0	"	"	"	"	10/21/21	"	
Barium	47	1.0	"	"	"	"	10/21/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	11	2.0	"	"	"	"	10/21/21	"	
Cobalt	5.0	2.0	"	"	"	"	10/21/21	"	
Copper	13	1.0	"	"	"	"	10/21/21	"	
Lead	50	3.0	"	"	"	"	10/21/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	8.9	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/21/21	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	65	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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G1-01-20211018
T213166-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102033	10/20/21	10/25/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		46.6 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		48.8 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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G1-01-20211018
T213166-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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G1-01-20211018
T213166-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.2 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99.4 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102029	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		99.5 %	29.1-130		"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

G1-05-20211018
T213166-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>111 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	23	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	4.6	2.0	"	"	"	"	"	"	
Cobalt	3.5	2.0	"	"	"	"	"	"	
Copper	3.4	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	3.6	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	15	5.0	"	"	"	"	"	"	
Zinc	18	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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G1-05-20211018
T213166-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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G1-05-20211018
T213166-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		99.8 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	82.6-117		"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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G2-01-20211018
T213166-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	100	mg/kg	10	1102021	10/20/21	10/22/21	EPA 8015B	R-07
C13-C28 (DRO)	ND	100	"	"	"	"	"	"	R-07
C29-C40 (MORO)	1200	100	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		71.5 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	33	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/21/21	"	
Cadmium	ND	2.0	"	"	"	"	10/21/21	"	
Chromium	15	2.0	"	"	"	"	"	"	
Cobalt	3.7	2.0	"	"	"	"	"	"	
Copper	14	1.0	"	"	"	"	"	"	
Lead	11	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	16	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	17	5.0	"	"	"	"	"	"	
Zinc	27	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

G2-01-20211018
T213166-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		113 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		74.2 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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G2-01-20211018
T213166-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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G2-01-20211018
T213166-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.4 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98.1 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102029	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		85.6 %	29.1-130		"	"	"	"	R-07

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G2-03-20211018
T213166-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102021	10/20/21	10/22/21	EPA 8015B	
C13-C28 (DRO)	63	10	"	"	"	"	"	"	D-06
C29-C40 (MORO)	420	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		<i>108 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102025	10/20/21	10/21/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	56	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	39	2.0	"	"	"	"	"	"	
Cobalt	5.5	2.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	51	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	37	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	18	5.0	"	"	"	"	"	"	
Zinc	84	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102032	10/20/21	10/26/21	EPA 7471A Soil	
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G2-03-20211018
T213166-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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G2-03-20211018
T213166-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		98.4 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	82.6-117		"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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G3-01-20211018
T213166-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	88	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		105 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	10	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	41	2.0	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Copper	17	1.0	"	"	"	"	"	"	
Lead	6.6	3.0	"	"	"	"	"	"	
Molybdenum	110	5.0	"	"	"	"	"	"	
Nickel	47	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	ND	5.0	"	"	"	"	"	"	
Zinc	4.0	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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G3-01-20211018
T213166-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		87.8 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		120 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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G3-01-20211018
T213166-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

G3-01-20211018
T213166-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102031	10/20/21	10/26/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	1100	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	2300	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	1400	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	2200	1000	"	"	"	"	"	"	
Benzo (a) pyrene	2500	300	"	"	"	"	"	"	
Chrysene	1400	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	720	300	"	"	"	"	"	"	
Fluoranthene	550	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	2000	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	760	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-dl4</i>		78.1 %	29.1-130		"	"	"	"	

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G3-03-20211018
T213166-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	51	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	17	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	78	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	6.6	2.0	"	"	"	"	10/26/21	"	
Chromium	2100	2.0	"	"	"	"	"	"	
Cobalt	16	2.0	"	"	"	"	"	"	
Copper	760	1.0	"	"	"	"	"	"	
Lead	730	3.0	"	"	"	"	"	"	
Molybdenum	70	5.0	"	"	"	"	"	"	
Nickel	1400	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	9.1	5.0	"	"	"	"	"	"	
Zinc	290	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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G3-03-20211018
T213166-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	9.3	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	2.9	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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G3-03-20211018
T213166-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	42	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.4 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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H1-01-20211018
T213166-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	35	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		<i>111 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	50	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	5.2	2.0	"	"	"	"	"	"	
Copper	11	1.0	"	"	"	"	"	"	
Lead	17	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	8.9	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	44	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

H1-01-20211018
T213166-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		55.1 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		59.6 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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H1-01-20211018
T213166-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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H1-01-20211018
T213166-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/22/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.3 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/26/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		66.2 %	29.1-130		"	"	"	"	R-07

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H1-03-20211018
T213166-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		117 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	20	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	4.8	2.0	"	"	"	"	"	"	
Cobalt	4.2	2.0	"	"	"	"	"	"	
Copper	3.4	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	3.0	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	15	5.0	"	"	"	"	"	"	
Zinc	15	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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H1-03-20211018
T213166-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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H1-03-20211018
T213166-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	82.6-117		"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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H2-01-20211018
T213166-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	24	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		83.4 %		65-135	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	62	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	230	2.0	"	"	"	"	"	"	
Cobalt	6.8	2.0	"	"	"	"	"	"	
Copper	56	1.0	"	"	"	"	"	"	
Lead	110	3.0	"	"	"	"	"	"	
Molybdenum	13	5.0	"	"	"	"	"	"	
Nickel	290	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	16	5.0	"	"	"	"	"	"	
Zinc	150	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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H2-01-20211018
T213166-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102033	10/20/21	10/25/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	45	10	"	"	"	"	"	"	"
Surrogate: Tetrachloro-meta-xylene		53.4 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		68.3 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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H2-01-20211018
T213166-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

H2-01-20211018
T213166-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		99.8 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/26/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Surrogate: Terphenyl-d14		71.7 %	29.1-130		"	"	"	"	R-07

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H2-05-20211018
T213166-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		71.3 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/26/21	"	
Arsenic	ND	5.0	"	"	"	"	10/26/21	"	
Barium	73	1.0	"	"	"	"	10/26/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	36	2.0	"	"	"	"	10/26/21	"	
Cobalt	8.2	2.0	"	"	"	"	10/26/21	"	
Copper	15	1.0	"	"	"	"	10/26/21	"	
Lead	11	3.0	"	"	"	"	10/26/21	"	
Molybdenum	7.6	5.0	"	"	"	"	"	"	
Nickel	18	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	34	5.0	"	"	"	"	10/26/21	"	
Zinc	51	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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H2-05-20211018
T213166-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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H2-05-20211018
T213166-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.9 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

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H3-01-20211018
T213166-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	380	10	"	"	"	"	"	"	D-06
C29-C40 (MORO)	2400	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		<i>113 %</i>	<i>65-135</i>		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	66	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	51	2.0	"	"	"	"	"	"	
Cobalt	5.4	2.0	"	"	"	"	"	"	
Copper	26	1.0	"	"	"	"	"	"	
Lead	22	3.0	"	"	"	"	"	"	
Molybdenum	7.6	5.0	"	"	"	"	"	"	
Nickel	62	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	17	5.0	"	"	"	"	"	"	
Zinc	53	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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H3-01-20211018
T213166-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		79.3 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		132 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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H3-01-20211018
T213166-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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H3-01-20211018
T213166-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.0 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98.9 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102031	10/20/21	10/26/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		79.8 %	29.1-130		"	"	"	"	

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H3-03-20211018
T213166-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	33	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		75.0 %	65-135		"	"	"	"	

Metals by EPA 6010B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	16	5.0	"	"	"	"	"	"	
Barium	46	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	10	2.0	"	"	"	"	"	"	
Cobalt	5.8	2.0	"	"	"	"	"	"	
Copper	6.7	1.0	"	"	"	"	"	"	
Lead	19	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	7.2	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	47	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	

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H3-03-20211018
T213166-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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H3-03-20211018
T213166-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.3 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		101 %	82.6-117		"	"	"	"	

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I1-01-20211018
T213166-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	47	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		112 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	51	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	12	2.0	"	"	"	"	"	"	
Cobalt	5.5	2.0	"	"	"	"	"	"	
Copper	11	1.0	"	"	"	"	"	"	
Lead	9.3	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	9.6	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	24	5.0	"	"	"	"	"	"	
Zinc	35	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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I1-01-20211018
T213166-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		80.9 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		78.3 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I1-01-20211018
T213166-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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I1-01-20211018
T213166-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.6 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/26/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		71.2 %	29.1-130		"	"	"	"	R-07

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I1-05-20211018
T213166-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	11	10	"	"	"	"	"	"	D-03
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		84.2 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/26/21	"	
Arsenic	ND	5.0	"	"	"	"	10/26/21	"	
Barium	29	1.0	"	"	"	"	10/26/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	7.3	2.0	"	"	"	"	10/26/21	"	
Cobalt	4.7	2.0	"	"	"	"	10/26/21	"	
Copper	6.0	1.0	"	"	"	"	10/26/21	"	
Lead	ND	3.0	"	"	"	"	10/26/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.0	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/26/21	"	
Vanadium	26	5.0	"	"	"	"	"	"	
Zinc	27	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I1-05-20211018
T213166-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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I1-05-20211018
T213166-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.3 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

I2-01-20211018
T213166-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		87.1 %		65-135	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	61	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	32	2.0	"	"	"	"	"	"	
Cobalt	8.2	2.0	"	"	"	"	"	"	
Copper	16	1.0	"	"	"	"	"	"	
Lead	540	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	28	5.0	"	"	"	"	"	"	
Zinc	100	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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I2-01-20211018
T213166-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102033	10/20/21	10/25/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		80.0 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		81.6 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I2-01-20211018
T213166-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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I2-01-20211018
T213166-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.6 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99.7 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/26/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		75.3 %	29.1-130		"	"	"	"	R-07

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I2-03-20211018
T213166-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.8 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	53	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	7.5	2.0	"	"	"	"	"	"	
Copper	5.8	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	7.1	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	27	5.0	"	"	"	"	"	"	
Zinc	41	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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I2-03-20211018
T213166-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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I2-03-20211018
T213166-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102017	10/20/21	10/23/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

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I3-01-20211018
T213166-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	48	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		96.6 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	59	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	170	2.0	"	"	"	"	"	"	
Cobalt	6.5	2.0	"	"	"	"	"	"	
Copper	17	1.0	"	"	"	"	"	"	
Lead	580	3.0	"	"	"	"	"	"	
Molybdenum	10	5.0	"	"	"	"	"	"	
Nickel	130	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	23	5.0	"	"	"	"	"	"	
Zinc	130	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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I3-01-20211018
T213166-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	110	100	"	"	"	"	"	"	R-07
<i>Surrogate: Tetrachloro-meta-xylene</i>		61.2 %	35-140	"	"	"	"	"	R-07
<i>Surrogate: Decachlorobiphenyl</i>		66.0 %	35-140	"	"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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I3-01-20211018
T213166-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

I3-01-20211018
T213166-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92.3 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		116 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/26/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		74.3 %	29.1-130		"	"	"	"	R-07

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I3-03-20211018
T213166-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		103 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	57	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	9.8	2.0	"	"	"	"	"	"	
Cobalt	6.3	2.0	"	"	"	"	"	"	
Copper	5.6	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	6.0	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	26	5.0	"	"	"	"	"	"	
Zinc	36	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

I3-03-20211018
T213166-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I3-03-20211018
T213166-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.5 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		117 %	82.6-117		"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I4-01-20211018
T213166-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	47	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	9.3	2.0	"	"	"	"	"	"	
Cobalt	6.2	2.0	"	"	"	"	"	"	
Copper	8.8	1.0	"	"	"	"	"	"	
Lead	17	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.7	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	26	5.0	"	"	"	"	"	"	
Zinc	48	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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I4-01-20211018
T213166-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102033	10/20/21	10/25/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		77.2 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		83.7 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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I4-01-20211018
T213166-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

I4-01-20211018
T213166-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		90.7 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		116 %	82.6-117		"	"	"	"	

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	300	ug/kg	1	1102031	10/20/21	10/27/21	EPA 8270C	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		86.5 %	29.1-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

I4-05-20211018
T213166-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>112 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	62	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	11	2.0	"	"	"	"	"	"	
Cobalt	6.5	2.0	"	"	"	"	"	"	
Copper	7.5	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	6.5	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	25	5.0	"	"	"	"	"	"	
Zinc	35	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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I4-05-20211018
T213166-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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I4-05-20211018
T213166-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		92.1 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		116 %	82.6-117		"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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J1-01-20211018
T213166-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	16	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	40	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	34	2.0	"	"	"	"	"	"	
Cobalt	5.0	2.0	"	"	"	"	"	"	
Copper	18	1.0	"	"	"	"	"	"	
Lead	670	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	15	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	17	5.0	"	"	"	"	"	"	
Zinc	210	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

J1-01-20211018
T213166-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		81.2 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		85.5 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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J1-01-20211018
T213166-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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J1-01-20211018
T213166-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		91.9 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		119 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		67.7 %	29.1-130		"	"	"	"	R-07

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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J1-05-20211018
T213166-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	12	10	"	"	"	"	"	"	D-03
C29-C40 (MORO)	23	10	"	"	"	"	"	"	D-06
<i>Surrogate: p-Terphenyl</i>		78.4 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/26/21	"	
Arsenic	ND	5.0	"	"	"	"	10/26/21	"	
Barium	61	1.0	"	"	"	"	10/26/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	14	2.0	"	"	"	"	10/26/21	"	
Cobalt	8.0	2.0	"	"	"	"	10/26/21	"	
Copper	11	1.0	"	"	"	"	10/26/21	"	
Lead	3.8	3.0	"	"	"	"	10/26/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	8.1	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/26/21	"	
Vanadium	31	5.0	"	"	"	"	"	"	
Zinc	44	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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J1-05-20211018
T213166-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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J1-05-20211018
T213166-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.7 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		119 %	82.6-117		"	"	"	"	S-GC

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J2-01-20211018
T213166-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		109 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	41	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	20	2.0	"	"	"	"	"	"	
Cobalt	4.9	2.0	"	"	"	"	"	"	
Copper	14	1.0	"	"	"	"	"	"	
Lead	57	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	16	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	18	5.0	"	"	"	"	"	"	
Zinc	52	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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J2-01-20211018
T213166-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	10	ug/kg	1	1102033	10/20/21	10/25/21	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		89.2 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		87.6 %	35-140		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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J2-01-20211018
T213166-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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J2-01-20211018
T213166-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.1 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		118 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Surrogate: Terphenyl-d14		67.6 %	29.1-130		"	"	"	"	R-07

SunStar Laboratories, Inc.

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J2-03-20211018
T213166-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102034	10/20/21	10/23/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		95.4 %		65-135	"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102027	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	68	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	10/26/21	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	8.8	2.0	"	"	"	"	"	"	
Cobalt	5.2	2.0	"	"	"	"	"	"	
Copper	6.8	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.1	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	40	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102036	10/20/21	10/26/21	EPA 7471A Soil	
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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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J2-03-20211018
T213166-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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J2-03-20211018
T213166-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102018	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		96.3 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		113 %	82.6-117		"	"	"	"	

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K1-01-20211018
T213166-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102028	10/20/21	10/20/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		92.1 %	65-135		"	"	"	"	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102038	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	33	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	8.4	2.0	"	"	"	"	"	"	
Cobalt	4.0	2.0	"	"	"	"	"	"	
Copper	7.4	1.0	"	"	"	"	"	"	
Lead	61	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.8	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	16	5.0	"	"	"	"	"	"	
Zinc	58	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102129	10/20/21	10/25/21	EPA 7471A Soil	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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K1-01-20211018
T213166-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Polychlorinated Biphenyls by EPA Method 8082/3550C

PCB-1016	ND	100	ug/kg	10	1102033	10/20/21	10/25/21	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		81.0 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		82.2 %	35-140		"	"	"	"	R-07

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

K1-01-20211018
T213166-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	

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K1-01-20211018
T213166-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	2.5	ug/kg	1	1102018	10/20/21	10/21/21	EPA 8260B	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	75.4-139		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		91.2 %	73.1-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		118 %	82.6-117		"	"	"	"	S-GC

PAH compounds by Semivolatile GCMS

Acenaphthene	ND	3000	ug/kg	10	1102031	10/20/21	10/27/21	EPA 8270C	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	10000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	3000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
<i>Surrogate: Terphenyl-d14</i>		65.0 %	29.1-130		"	"	"	"	R-07

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

K1-05-20211018
T213166-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1102028	10/20/21	10/20/21	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>111 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1102038	10/20/21	10/26/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	10/26/21	"	
Arsenic	ND	5.0	"	"	"	"	10/26/21	"	
Barium	32	1.0	"	"	"	"	10/26/21	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	10/26/21	"	
Chromium	8.6	2.0	"	"	"	"	10/26/21	"	
Cobalt	5.4	2.0	"	"	"	"	10/26/21	"	
Copper	4.8	1.0	"	"	"	"	10/26/21	"	
Lead	ND	3.0	"	"	"	"	10/26/21	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	5.0	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	10/26/21	"	
Vanadium	24	5.0	"	"	"	"	"	"	
Zinc	28	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1102129	10/20/21	10/25/21	EPA 7471A Soil	
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K1-05-20211018
T213166-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	1102018	10/20/21	10/22/21	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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K1-05-20211018
T213166-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by EPA Method 8260B

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	1102018	10/20/21	10/22/21	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		91.5 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		116 %	82.6-117		"	"	"	"	

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Extractable Petroleum Hydrocarbons by 8015B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102021 - EPA 3550B GC

Blank (1102021-BLK1)		Prepared: 10/20/21 Analyzed: 10/22/21								
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	104		"	100		104	65-135			

LCS (1102021-BS1)		Prepared: 10/20/21 Analyzed: 10/22/21								
C13-C28 (DRO)	500	10	mg/kg	500		100	75-125			
Surrogate: <i>p</i> -Terphenyl	107		"	100		107	65-135			

LCS Dup (1102021-BSD1)		Prepared: 10/20/21 Analyzed: 10/22/21								
C13-C28 (DRO)	490	10	mg/kg	500		98.5	75-125	1.99	20	
Surrogate: <i>p</i> -Terphenyl	109		"	100		109	65-135			

Batch 1102028 - EPA 3550B GC

Blank (1102028-BLK1)		Prepared & Analyzed: 10/20/21								
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	114		"	100		114	65-135			

LCS (1102028-BS1)		Prepared & Analyzed: 10/20/21								
C13-C28 (DRO)	470	10	mg/kg	500		94.3	75-125			
Surrogate: <i>p</i> -Terphenyl	112		"	100		112	65-135			

LCS Dup (1102028-BSD1)		Prepared & Analyzed: 10/20/21								
C13-C28 (DRO)	460	10	mg/kg	500		91.3	75-125	3.19	20	
Surrogate: <i>p</i> -Terphenyl	109		"	100		109	65-135			

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Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102034 - EPA 3550B GC

Blank (1102034-BLK1)		Prepared: 10/20/21 Analyzed: 10/23/21								
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	110		"	100		110	65-135			
LCS (1102034-BS1)		Prepared: 10/20/21 Analyzed: 10/23/21								
C13-C28 (DRO)	560	10	mg/kg	500		111	75-125			
Surrogate: <i>p</i> -Terphenyl	113		"	100		113	65-135			
LCS Dup (1102034-BSD1)		Prepared: 10/20/21 Analyzed: 10/23/21								
C13-C28 (DRO)	540	10	mg/kg	500		108	75-125	2.92	20	
Surrogate: <i>p</i> -Terphenyl	111		"	100		111	65-135			

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102025 - EPA 3050B

Blank (1102025-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

LCS (1102025-BS1)

Prepared: 10/20/21 Analyzed: 10/21/21

Arsenic	89.4	5.0	mg/kg	100		89.4	75-125			
Barium	88.1	1.0	"	100		88.1	75-125			
Cadmium	86.7	2.0	"	100		86.7	75-125			
Chromium	88.3	2.0	"	100		88.3	75-125			
Lead	87.6	3.0	"	100		87.6	75-125			

Matrix Spike (1102025-MS1)

Source: T213165-37

Prepared: 10/20/21 Analyzed: 10/21/21

Arsenic	71.0	5.0	mg/kg	100	ND	71.0	75-125			QM-05
Barium	114	1.0	"	100	54.1	59.5	75-125			QM-05
Cadmium	66.7	2.0	"	100	0.677	66.0	75-125			QM-05
Chromium	83.1	2.0	"	100	21.9	61.3	75-125			QM-05
Lead	102	3.0	"	100	40.7	61.6	75-125			QM-05

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102025 - EPA 3050B

Matrix Spike Dup (1102025-MSD1)	Source: T213165-37			Prepared: 10/20/21 Analyzed: 10/21/21						
Arsenic	68.2	5.0	mg/kg	100	ND	68.2	75-125	3.92	20	QM-05
Barium	119	1.0	"	100	54.1	65.3	75-125	5.03	20	QM-05
Cadmium	66.2	2.0	"	100	0.677	65.5	75-125	0.740	20	QM-05
Chromium	92.1	2.0	"	100	21.9	70.3	75-125	10.3	20	QM-05
Lead	110	3.0	"	100	40.7	69.5	75-125	7.42	20	QM-05

Batch 1102027 - EPA 3050B

Blank (1102027-BLK1)	Prepared: 10/20/21 Analyzed: 10/26/21				
Antimony	ND	3.0	mg/kg		
Silver	ND	2.0	"		
Arsenic	ND	5.0	"		
Barium	ND	1.0	"		
Beryllium	ND	1.0	"		
Cadmium	ND	2.0	"		
Chromium	ND	2.0	"		
Cobalt	ND	2.0	"		
Copper	ND	1.0	"		
Lead	ND	3.0	"		
Molybdenum	ND	5.0	"		
Nickel	ND	2.0	"		
Selenium	ND	5.0	"		
Thallium	ND	5.0	"		
Vanadium	ND	5.0	"		
Zinc	ND	1.0	"		

LCS (1102027-BS1)	Prepared: 10/20/21 Analyzed: 10/26/21					
Arsenic	86.0	5.0	mg/kg	100	86.0	75-125
Barium	86.2	1.0	"	100	86.2	75-125
Cadmium	86.3	2.0	"	100	86.3	75-125
Chromium	86.2	2.0	"	100	86.2	75-125
Lead	86.3	3.0	"	100	86.3	75-125

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102027 - EPA 3050B

Matrix Spike (1102027-MS1)	Source: T213166-09			Prepared: 10/20/21 Analyzed: 10/26/21						
Arsenic	83.5	5.0	mg/kg	100	ND	83.5	75-125			
Barium	97.1	1.0	"	100	10.4	86.7	75-125			
Cadmium	83.6	2.0	"	100	0.360	83.3	75-125			
Chromium	111	2.0	"	100	41.2	70.1	75-125			QM-05
Lead	87.7	3.0	"	100	6.64	81.0	75-125			

Matrix Spike Dup (1102027-MSD1)	Source: T213166-09			Prepared: 10/20/21 Analyzed: 10/26/21						
Arsenic	79.4	5.0	mg/kg	100	ND	79.4	75-125	4.94	20	
Barium	96.7	1.0	"	100	10.4	86.3	75-125	0.414	20	
Cadmium	81.5	2.0	"	100	0.360	81.1	75-125	2.60	20	
Chromium	341	2.0	"	100	41.2	300	75-125	102	20	QM-05
Lead	87.9	3.0	"	100	6.64	81.2	75-125	0.254	20	

Batch 1102038 - EPA 3050B

Blank (1102038-BLK1)	Prepared: 10/20/21 Analyzed: 10/26/21				
Antimony	ND	3.0	mg/kg		
Silver	ND	2.0	"		
Arsenic	ND	5.0	"		
Barium	ND	1.0	"		
Beryllium	ND	1.0	"		
Cadmium	ND	2.0	"		
Chromium	ND	2.0	"		
Cobalt	ND	2.0	"		
Copper	ND	1.0	"		
Lead	ND	3.0	"		
Molybdenum	ND	5.0	"		
Nickel	ND	2.0	"		
Selenium	ND	5.0	"		
Thallium	ND	5.0	"		
Vanadium	ND	5.0	"		
Zinc	ND	1.0	"		

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102038 - EPA 3050B

LCS (1102038-BS1)

Prepared: 10/20/21 Analyzed: 10/26/21

Arsenic	84.9	5.0	mg/kg	100		84.9	75-125			
Barium	86.2	1.0	"	100		86.2	75-125			
Cadmium	86.4	2.0	"	100		86.4	75-125			
Chromium	86.2	2.0	"	100		86.2	75-125			
Lead	86.4	3.0	"	100		86.4	75-125			

Matrix Spike (1102038-MS1)

Source: T213166-45

Prepared: 10/20/21 Analyzed: 10/26/21

Arsenic	75.8	5.0	mg/kg	100	1.27	74.5	75-125			QM-05
Barium	107	1.0	"	100	32.7	74.0	75-125			QM-05
Cadmium	70.8	2.0	"	100	0.384	70.4	75-125			QM-05
Chromium	79.3	2.0	"	100	8.39	71.0	75-125			QM-05
Lead	149	3.0	"	100	60.9	87.7	75-125			

Matrix Spike Dup (1102038-MSD1)

Source: T213166-45

Prepared: 10/20/21 Analyzed: 10/26/21

Arsenic	70.5	5.0	mg/kg	100	1.27	69.2	75-125	7.19	20	QM-05
Barium	102	1.0	"	100	32.7	69.5	75-125	4.27	20	QM-05
Cadmium	68.1	2.0	"	100	0.384	67.7	75-125	3.88	20	QM-05
Chromium	76.7	2.0	"	100	8.39	68.3	75-125	3.35	20	QM-05
Lead	193	3.0	"	100	60.9	132	75-125	25.9	20	QM-05

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Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102032 - EPA 7471A Soil

Blank (1102032-BLK1)				Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	ND	0.10	mg/kg							
LCS (1102032-BS1)				Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	0.384	0.10	mg/kg	0.385		99.9	80-120			
Matrix Spike (1102032-MS1)				Source: T213165-37		Prepared: 10/20/21 Analyzed: 10/26/21				
Mercury	0.541	0.10	mg/kg	0.417	0.132	98.3	75-125			
Matrix Spike Dup (1102032-MSD1)				Source: T213165-37		Prepared: 10/20/21 Analyzed: 10/26/21				
Mercury	0.532	0.10	mg/kg	0.410	0.132	97.7	75-125	1.67	20	

Batch 1102036 - EPA 7471A Soil

Blank (1102036-BLK1)				Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	ND	0.10	mg/kg							
LCS (1102036-BS1)				Prepared: 10/20/21 Analyzed: 10/26/21						
Mercury	0.378	0.10	mg/kg	0.403		93.7	80-120			
Matrix Spike (1102036-MS1)				Source: T213166-09		Prepared: 10/20/21 Analyzed: 10/26/21				
Mercury	0.379	0.10	mg/kg	0.410	ND	92.5	75-125			
Matrix Spike Dup (1102036-MSD1)				Source: T213166-09		Prepared: 10/20/21 Analyzed: 10/26/21				
Mercury	0.382	0.10	mg/kg	0.403	ND	94.8	75-125	0.914	20	

Batch 1102129 - EPA 7471A Soil

Blank (1102129-BLK1)				Prepared: 10/21/21 Analyzed: 10/25/21						
Mercury	ND	0.10	mg/kg							

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Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102129 - EPA 7471A Soil

LCS (1102129-BS1)		Prepared: 10/21/21 Analyzed: 10/25/21								
Mercury	0.382	0.10	mg/kg	0.410		93.1	80-120			
Matrix Spike (1102129-MS1)		Source: T213185-01		Prepared: 10/21/21 Analyzed: 10/25/21						
Mercury	0.429	0.10	mg/kg	0.410	ND	105	75-125			
Matrix Spike Dup (1102129-MSD1)		Source: T213185-01		Prepared: 10/21/21 Analyzed: 10/25/21						
Mercury	0.463	0.10	mg/kg	0.391	ND	118	75-125	7.51	20	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

Polychlorinated Biphenyls by EPA Method 8082/3550C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102033 - EPA 3550C ECD/GCMS

Blank (1102033-BLK1)

Prepared: 10/20/21 Analyzed: 10/25/21

PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	8.95		"	10.0		89.5	35-140			
Surrogate: Decachlorobiphenyl	10.3		"	10.0		103	35-140			

LCS (1102033-BS1)

Prepared: 10/20/21 Analyzed: 10/25/21

PCB-1016	75.8	10	ug/kg	100		75.8	40-130			
PCB-1260	84.1	10	"	100		84.1	40-130			
Surrogate: Tetrachloro-meta-xylene	8.48		"	10.0		84.8	35-140			
Surrogate: Decachlorobiphenyl	10.8		"	10.0		108	35-140			

LCS Dup (1102033-BSD1)

Prepared: 10/20/21 Analyzed: 10/25/21

PCB-1016	77.6	10	ug/kg	100		77.6	40-130	2.35	30	
PCB-1260	85.8	10	"	100		85.8	40-130	2.00	30	
Surrogate: Tetrachloro-meta-xylene	8.98		"	10.0		89.8	35-140			
Surrogate: Decachlorobiphenyl	9.45		"	10.0		94.5	35-140			

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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 10/27/21 16:24
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102017 - EPA 5030 GCMS

Blank (1102017-BLK1)

Prepared: 10/20/21 Analyzed: 10/22/21

Bromobenzene	ND	2.5	ug/kg							
Bromochloromethane	ND	2.5	"							
Bromodichloromethane	ND	2.5	"							
Bromoform	ND	2.5	"							
Bromomethane	ND	2.5	"							
n-Butylbenzene	ND	2.5	"							
sec-Butylbenzene	ND	2.5	"							
tert-Butylbenzene	ND	2.5	"							
Carbon tetrachloride	ND	2.5	"							
Chlorobenzene	ND	2.5	"							
Chloroethane	ND	2.5	"							
Chloroform	ND	2.5	"							
Chloromethane	ND	2.5	"							
2-Chlorotoluene	ND	2.5	"							
4-Chlorotoluene	ND	2.5	"							
Dibromochloromethane	ND	2.5	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	2.5	"							
Dibromomethane	ND	2.5	"							
1,2-Dichlorobenzene	ND	2.5	"							
1,3-Dichlorobenzene	ND	2.5	"							
1,4-Dichlorobenzene	ND	2.5	"							
Dichlorodifluoromethane	ND	2.5	"							
1,1-Dichloroethane	ND	2.5	"							
1,2-Dichloroethane	ND	2.5	"							
1,1-Dichloroethene	ND	2.5	"							
cis-1,2-Dichloroethene	ND	2.5	"							
trans-1,2-Dichloroethene	ND	2.5	"							
1,2-Dichloropropane	ND	2.5	"							
1,3-Dichloropropane	ND	2.5	"							
2,2-Dichloropropane	ND	2.5	"							
1,1-Dichloropropene	ND	2.5	"							
cis-1,3-Dichloropropene	ND	2.5	"							
trans-1,3-Dichloropropene	ND	2.5	"							
Hexachlorobutadiene	ND	2.5	"							
Isopropylbenzene	ND	2.5	"							

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102017 - EPA 5030 GCMS

Blank (1102017-BLK1)

Prepared: 10/20/21 Analyzed: 10/22/21

p-Isopropyltoluene	ND	2.5	ug/kg							
Methylene chloride	ND	10	"							
Naphthalene	ND	2.5	"							
n-Propylbenzene	ND	2.5	"							
Styrene	ND	2.5	"							
1,1,2,2-Tetrachloroethane	ND	2.5	"							
1,1,1,2-Tetrachloroethane	ND	2.5	"							
Tetrachloroethene	ND	2.5	"							
1,2,3-Trichlorobenzene	ND	2.5	"							
1,2,4-Trichlorobenzene	ND	2.5	"							
1,1,2-Trichloroethane	ND	2.5	"							
1,1,1-Trichloroethane	ND	2.5	"							
Trichloroethene	ND	2.5	"							
Trichlorofluoromethane	ND	2.5	"							
1,2,3-Trichloropropane	ND	2.5	"							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
Surrogate: 4-Bromofluorobenzene	49.1		"	50.0		98.1	75.4-139			
Surrogate: Dibromofluoromethane	48.7		"	50.0		97.5	73.1-125			
Surrogate: Toluene-d8	50.8		"	50.0		102	82.6-117			

LCS (1102017-BS1)

Prepared: 10/20/21 Analyzed: 10/22/21

Chlorobenzene	49.3	2.5	ug/kg	50.0		98.6	65.2-124			
1,1-Dichloroethene	48.2	2.5	"	50.0		96.3	60.9-131			
Trichloroethene	49.2	2.5	"	50.0		98.5	62.1-126			
Benzene	49.8	2.5	"	50.0		99.6	65.3-127			
Toluene	49.8	2.5	"	50.0		99.6	64.3-122			
Surrogate: 4-Bromofluorobenzene	50.4		"	50.0		101	75.4-139			
Surrogate: Dibromofluoromethane	49.6		"	50.0		99.2	73.1-125			
Surrogate: Toluene-d8	51.3		"	50.0		103	82.6-117			

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
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Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
10/27/21 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102017 - EPA 5030 GCMS

Matrix Spike (1102017-MS1)

Source: T213166-01

Prepared: 10/20/21 Analyzed: 10/25/21

Chlorobenzene	37.7	2.5	ug/kg	50.0	ND	75.4	65.2-125			
1,1-Dichloroethene	42.4	2.5	"	50.0	ND	84.7	60.9-131			
Trichloroethene	41.8	2.5	"	50.0	ND	83.6	62.1-126			
Benzene	45.7	2.5	"	50.0	ND	91.4	65.3-127			
Toluene	38.9	2.5	"	50.0	ND	77.7	64.3-125			
Surrogate: 4-Bromofluorobenzene	42.9		"	50.0		85.9	75.4-139			
Surrogate: Dibromofluoromethane	48.8		"	50.0		97.6	73.1-125			
Surrogate: Toluene-d8	48.7		"	50.0		97.3	82.6-117			

Matrix Spike Dup (1102017-MSD1)

Source: T213166-01

Prepared: 10/20/21 Analyzed: 10/25/21

Chlorobenzene	41.3	2.5	ug/kg	50.0	ND	82.6	65.2-125	9.07	20	
1,1-Dichloroethene	49.6	2.5	"	50.0	ND	99.3	60.9-131	15.8	20	
Trichloroethene	45.9	2.5	"	50.0	ND	91.8	62.1-126	9.35	20	
Benzene	47.8	2.5	"	50.0	ND	95.6	65.3-127	4.51	20	
Toluene	44.0	2.5	"	50.0	ND	88.0	64.3-125	12.3	20	
Surrogate: 4-Bromofluorobenzene	45.2		"	50.0		90.4	75.4-139			
Surrogate: Dibromofluoromethane	53.8		"	50.0		108	73.1-125			
Surrogate: Toluene-d8	49.1		"	50.0		98.2	82.6-117			

Batch 1102018 - EPA 5030 GCMS

Blank (1102018-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

Bromobenzene	ND	2.5	ug/kg							
Bromochloromethane	ND	2.5	"							
Bromodichloromethane	ND	2.5	"							
Bromoform	ND	2.5	"							
Bromomethane	ND	2.5	"							
n-Butylbenzene	ND	2.5	"							
sec-Butylbenzene	ND	2.5	"							
tert-Butylbenzene	ND	2.5	"							
Carbon tetrachloride	ND	2.5	"							
Chlorobenzene	ND	2.5	"							
Chloroethane	ND	2.5	"							
Chloroform	ND	2.5	"							
Chloromethane	ND	2.5	"							
2-Chlorotoluene	ND	2.5	"							

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Joann Marroquin For Mike Jaroudi, Project Manager



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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102018 - EPA 5030 GCMS

Blank (1102018-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

4-Chlorotoluene	ND	2.5	ug/kg							
Dibromochloromethane	ND	2.5	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	2.5	"							
Dibromomethane	ND	2.5	"							
1,2-Dichlorobenzene	ND	2.5	"							
1,3-Dichlorobenzene	ND	2.5	"							
1,4-Dichlorobenzene	ND	2.5	"							
Dichlorodifluoromethane	ND	2.5	"							
1,1-Dichloroethane	ND	2.5	"							
1,2-Dichloroethane	ND	2.5	"							
1,1-Dichloroethene	ND	2.5	"							
cis-1,2-Dichloroethene	ND	2.5	"							
trans-1,2-Dichloroethene	ND	2.5	"							
1,2-Dichloropropane	ND	2.5	"							
1,3-Dichloropropane	ND	2.5	"							
2,2-Dichloropropane	ND	2.5	"							
1,1-Dichloropropene	ND	2.5	"							
cis-1,3-Dichloropropene	ND	2.5	"							
trans-1,3-Dichloropropene	ND	2.5	"							
Hexachlorobutadiene	ND	2.5	"							
Isopropylbenzene	ND	2.5	"							
p-Isopropyltoluene	ND	2.5	"							
Methylene chloride	ND	10	"							
Naphthalene	ND	2.5	"							
n-Propylbenzene	ND	2.5	"							
Styrene	ND	2.5	"							
1,1,2,2-Tetrachloroethane	ND	2.5	"							
1,1,1,2-Tetrachloroethane	ND	2.5	"							
Tetrachloroethene	ND	2.5	"							
1,2,3-Trichlorobenzene	ND	2.5	"							
1,2,4-Trichlorobenzene	ND	2.5	"							
1,1,2-Trichloroethane	ND	2.5	"							
1,1,1-Trichloroethane	ND	2.5	"							
Trichloroethene	ND	2.5	"							
Trichlorofluoromethane	ND	2.5	"							

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102018 - EPA 5030 GCMS

Blank (1102018-BLK1)

Prepared: 10/20/21 Analyzed: 10/21/21

1,2,3-Trichloropropane	ND	2.5	ug/kg							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
Surrogate: 4-Bromofluorobenzene	54.5		"	50.0		109	75.4-139			
Surrogate: Dibromofluoromethane	44.5		"	50.0		89.0	73.1-125			
Surrogate: Toluene-d8	56.9		"	50.0		114	82.6-117			

LCS (1102018-BS1)

Prepared: 10/20/21 Analyzed: 10/21/21

Chlorobenzene	48.5	2.5	ug/kg	50.0	ND	96.9	65.2-124			
1,1-Dichloroethene	49.0	2.5	"	50.0	ND	97.9	60.9-131			
Trichloroethene	50.1	2.5	"	50.0	ND	100	62.1-126			
Benzene	53.4	2.5	"	50.0	ND	107	65.3-127			
Toluene	55.8	2.5	"	50.0	ND	112	64.3-122			
Surrogate: 4-Bromofluorobenzene	53.9		"	50.0		108	75.4-139			
Surrogate: Dibromofluoromethane	43.9		"	50.0		87.9	73.1-125			
Surrogate: Toluene-d8	57.4		"	50.0		115	82.6-117			

Matrix Spike (1102018-MS1)

Source: T213166-37

Prepared: 10/20/21 Analyzed: 10/21/21

Chlorobenzene	42.5	2.5	ug/kg	50.0	ND	85.1	65.2-125			
1,1-Dichloroethene	44.9	2.5	"	50.0	ND	89.9	60.9-131			
Trichloroethene	45.3	2.5	"	50.0	ND	90.6	62.1-126			
Benzene	49.2	2.5	"	50.0	ND	98.5	65.3-127			
Toluene	50.6	2.5	"	50.0	ND	101	64.3-125			
Surrogate: 4-Bromofluorobenzene	53.0		"	50.0		106	75.4-139			
Surrogate: Dibromofluoromethane	44.8		"	50.0		89.5	73.1-125			
Surrogate: Toluene-d8	56.8		"	50.0		114	82.6-117			

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102018 - EPA 5030 GCMS

Matrix Spike Dup (1102018-MSD1)

Source: T213166-37

Prepared: 10/20/21 Analyzed: 10/21/21

Chlorobenzene	38.8	2.5	ug/kg	50.0	ND	77.6	65.2-125	9.20	20	
1,1-Dichloroethene	41.5	2.5	"	50.0	ND	83.0	60.9-131	7.91	20	
Trichloroethene	41.1	2.5	"	50.0	ND	82.2	62.1-126	9.65	20	
Benzene	45.5	2.5	"	50.0	ND	91.1	65.3-127	7.81	20	
Toluene	46.4	2.5	"	50.0	ND	92.8	64.3-125	8.52	20	
Surrogate: 4-Bromofluorobenzene	53.6		"	50.0		107	75.4-139			
Surrogate: Dibromofluoromethane	45.5		"	50.0		91.1	73.1-125			
Surrogate: Toluene-d8	57.8		"	50.0		116	82.6-117			

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

PAH compounds by Semivolatile GCMS - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102029 - EPA 3550 ECD/GCMS

Blank (1102029-BLK1)

Prepared: 10/20/21 Analyzed: 10/27/21

Acenaphthene	ND	300	ug/kg							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Naphthalene	ND	300	"							
Phenanthrene	ND	300	"							
Pyrene	ND	300	"							

Surrogate: Terphenyl-d14 3390 " 3330 102 29.1-130

LCS (1102029-BS1)

Prepared: 10/20/21 Analyzed: 10/27/21

Acenaphthene	2450	300	ug/kg	3330		73.6	50-130			
Pyrene	1950	300	"	3330		58.5	41.1-83.5			

Surrogate: Terphenyl-d14 3340 " 3330 100 29.1-130

LCS Dup (1102029-BSD1)

Prepared: 10/20/21 Analyzed: 10/27/21

Acenaphthene	2430	300	ug/kg	3330		72.9	50-130	1.05	31	
Pyrene	1910	300	"	3330		57.2	41.1-83.5	2.32	30	

Surrogate: Terphenyl-d14 3260 " 3330 97.8 29.1-130

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Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 10/27/21 16:24

PAH compounds by Semivolatle GCMS - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102031 - EPA 3550 ECD/GCMS

Blank (1102031-BLK1)

Prepared: 10/20/21 Analyzed: 10/26/21

Acenaphthene	ND	300	ug/kg							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Naphthalene	ND	300	"							
Phenanthrene	ND	300	"							
Pyrene	ND	300	"							

Surrogate: Terphenyl-d14 2860 " 3330 85.9 29.1-130

LCS (1102031-BS1)

Prepared: 10/20/21 Analyzed: 10/26/21

Acenaphthene	2480	300	ug/kg	3330		74.3	50-130			
Pyrene	1870	300	"	3330		56.1	41.1-83.5			

Surrogate: Terphenyl-d14 2890 " 3330 86.6 29.1-130

LCS Dup (1102031-BS1)

Prepared: 10/20/21 Analyzed: 10/26/21

Acenaphthene	2630	300	ug/kg	3330		78.8	50-130	5.83	31	
Pyrene	1970	300	"	3330		59.0	41.1-83.5	4.99	30	

Surrogate: Terphenyl-d14 2960 " 3330 88.7 29.1-130

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation

Project: HMC Arrowhead

1311 Calle Batido, Suite 260

Project Number: [none]

Reported:

San Clemente CA, 92673

Project Manager: Melissa Robinson

10/27/21 16:24

Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- D-03 The result for the hydrocarbon range is due to the presence of a single analyte peak(s) in the quantitation range. It does not resemble the requested pattern.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Joann Marroquin For Mike Jaroudi, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 1311 Calle Balido, San Clemente
 Phone: (909) 615 - 0005 Fax:
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12
 Project Name: HMC Arrowhead
 Collector: T213166
 Batch #: T213166

Page: 5 Of 8
 Client Project #:
 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs	Laboratory ID #	Comments/Preservative	Total # of containers
F2-01-202110 18	10/18/12	1328	SOIL	SCREEN	X	X	X	X	X	1		
F2-05-202110 18	10/18/12	1340	SOIL		X	X	X	X	X	2		
F3-01-202110 18	10/18/12	1317	SOIL		X	X	X	X	X	3		
F3-03-202110 18	10/18/12	1318	SOIL		X	X	X	X	X	4		
G1-01-202110 18	10/18/12	1204	SOIL		X	X	X	X	X	5		
G1-05-202110 18	10/18/12	1206	SOIL		X	X	X	X	X	6		
G2-01-202110 18	10/18/12	1218	SOIL		X	X	X	X	X	7		
G2-03-202110 18	10/18/12	1219	SOIL		X	X	X	X	X	8		
G3-01-202110 18	10/18/12	1253	SOIL		X	X	X	X	X	9		
G3-02-202110 18	10/18/12	1254	SOIL		X	X	X	X	X	10		
H1-01-202110 18	10/18/12	0861	SOIL		X	X	X	X	X	11		
H1-05-202110 18	10/18/12	0892	SOIL		X	X	X	X	X	12		
H2-01-202110 18	10/18/12	1103	SOIL		X	X	X	X	X	13		
H2-05-202110 18	10/18/12	1105	SOIL		X	X	X	X	X	14		
H3-01-202110 18	10/18/12	1044	SOIL		X	X	X	X	X	15		
H3-03-202110 18	10/18/12	1045	SOIL		X	X	X	X	X	16		

Relinquished by: (signature) [Signature] Date / Time 10/19/12 1342 Received by: (signature) [Signature] Date / Time 10-19-12 1340

Relinquished by: (signature) [Signature] Date / Time _____ Received by: (signature) _____ Date / Time _____

Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

Turn around time: Standard

Received good condition/cold 280

Seals intact? Y/N/NA NA

Total # of containers _____

Notes _____

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Fax:

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12 Page: 6 of 8

Project Name: HMC Arrowhead

Collector: T23166

Batch #: T23166

EDF #:

Client Project #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	Hold	Laboratory ID #	Comments/Preservative	Total # of containers
F2-03-202110 18	10/18/12	13:39	SOIL	STEVIE	X	17		
F2-10-202110 18	10/18/12	13:41	SOIL		X	18		
F3-05-202110 18	10/18/12	13:19	SOIL		X	19		
F3-10-202110 18	10/18/12	13:20	SOIL		X	20		
G1-10-202110 18	10/18/12	12:07	SOIL		X	21		
G1-03-202110 18	10/18/12	12:05	SOIL		X	22		
G2-10-202110 18	10/18/12	12:22	SOIL		X	23		
G2-04-202110 18	10/18/12	12:22	SOIL		X	24		
G3-01-202110 18	10/18/12	12:55	SOIL		X	25		
G3-02-202110 18	10/18/12	12:56	SOIL		X	26		
H1-05-202110 18	10/18/12	09:53	SOIL		X	27		
H1-10-202110 18	10/18/12	09:54	SOIL		X	28		
H2-03-202110 18	10/18/12	11:04	SOIL		X	29		
H2-10-202110 18	10/18/12	11:06	SOIL		X	30		
H3-05-202110 18	10/18/12	10:46	SOIL		X	31		
H3-10-202110 18	10/18/12	10:47	SOIL		X	32		
Relinquished by: (signature)			Received by: (signature)			Total # of containers		Notes
Kathryn McFadden			[Signature]			10-19-12 (34)	Chain of Custody seals Y/N/A	
Relinquished by: (signature)			Received by: (signature)			Date / Time	Seals intact? Y/N/A	
Kathryn McFadden			[Signature]			10/19/12 13:12	Received good condition/cold	2-82
Relinquished by: (signature)			Received by: (signature)			Date / Time		
Sample disposal instructions: Disposal @ \$2.00 each			Return to client			Pickup	Turn around time: Spudant	

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 1311 Calle Batido, San Clemente
 Phone: (909) 615 - 0005
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21 Page: 7 of 8
 Project Name: HMC Arrowhead
 Collector: TP-1366 Client Project #: _____
 Batch #: TP-1366 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs	Laboratory ID #	Comments/Preservative	Total # of containers
11-01-20211018	10/18/21	1606	SOIL	Sealok	X	X	X	X	X	33		
11-05-20211018	10/18/21	1008	SOIL		X	X	X	X	X	34		
12-01-20211018	10/18/21	1027	SOIL		X	X	X	X	X	35		
12-03-20211018	10/18/21	1628	SOIL		X	X	X	X	X	36		
13-01-20211018	10/18/21	0924	SOIL		X	X	X	X	X	37		
13-03-20211018	10/18/21	0925	SOIL		X	X	X	X	X	38		
14-01-20211018	10/18/21	0906	SOIL		X	X	X	X	X	39		
14-05-20211018	10/18/21	0909	SOIL		X	X	X	X	X	40		
11-01-20211018	10/18/21	0849	SOIL		X	X	X	X	X	41		
11-05-20211018	10/18/21	0851	SOIL		X	X	X	X	X	42		
12-01-20211018	10/18/21	0854	SOIL		X	X	X	X	X	43		
12-03-20211018	10/18/21	0855	SOIL		X	X	X	X	X	44		
11-01-20211018	10/18/21	0805	SOIL		X	X	X	X	X	45		
11-05-20211018	10/18/21	0809	SOIL		X	X	X	X	X	46		
12-01-20211018	10/18/21	0809	SOIL		X	X	X	X	X			
12-03-20211018	10/18/21	0809	SOIL		X	X	X	X	X			
Relinquished by: (signature) <u>Kaelen McShaden</u>			Received by: (signature) <u>ASB</u>	Date / Time <u>10/19/21 1342</u>	Chain of Custody seals <u>Y/N/A</u>			Seals intact? <u>Y/N/A</u>			Received good condition/cold <u>Y/N</u>	
Relinquished by: (signature)			Received by: (signature)	Date / Time	Total # of containers			Turn around time: <u>Standard</u>			Notes	

Sample disposal instructions: Disposal @ \$2.00 each

Return to client

Pickup

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 13111 Calle Batido, San Clemente
 Phone: (909) 615 - 0005 Fax:
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12
 Project Name: HMC Arrowhead
 Collector: T213166
 Batch #: T213166

Page: 8 of 8
 Client Project #:
 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	PH	Laboratory ID #	Comments/Preservative	Total # of containers				
11-03-202110 18	10/18/12	1007	SOIL	<u>SIQW</u>	X	47						
11-03-202110 18	10/18/12	1009	SOIL		X	48						
12-05-202110 18	10/18/12	1028	SOIL		X	49						
12-10-202110 18	10/18/12	1050	SOIL		X	50						
13-05-202110 18	10/18/12	0926	SOIL		X	51						
13-10-202110 18	10/18/12	0927	SOIL		X	52						
14-03-202110 18	10/18/12	0928	SOIL		X	53						
14-10-202110 18	10/18/12	0929	SOIL		X	54						
11-03-202110 18	10/18/12	0852	SOIL		X	55						
11-03-202110 18	10/18/12	0850	SOIL		X	56						
12-05-202110 18	10/18/12	0837	SOIL		X	57						
12-10-202110 18	10/18/12	0838	SOIL		X	58						
11-10-202110 18	10/18/12	0808	SOIL		X	59						
11-03-202110 18	10/18/12	0808	SOIL		X	60						
11-03-202110 18	10/18/12	0808	SOIL		X							
Relinquished by: (signature) <u>Kathryn McFadden</u>					Date / Time	10/19/12 1342	Received by: (signature) <u>[Signature]</u>	Date / Time	10-19-21 1342	Chain of Custody seals Y/N <u>Y</u>	Seals intact? Y/N <u>Y</u>	Received good condition/cold <u>288</u>
Relinquished by: (signature)					Date / Time		Received by: (signature)	Date / Time		Chain of Custody seals Y/N	Seals intact? Y/N	Received good condition/cold
Relinquished by: (signature)					Date / Time		Received by: (signature)	Date / Time		Chain of Custody seals Y/N	Seals intact? Y/N	Received good condition/cold
Sample disposal instructions: Disposal @ \$2.00 each					Return to client	Pickup	Turn around time: <u>Standard</u>					

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T213166
 Client Name: Equipose Corp Project: HMC Arrowhead
 Delivered by: Client SunStar Courier GLS FedEx UPS
 If Courier, Received by: _____ Date/Time Courier Received: _____
 Lab Received by: Dave Date/Time Lab Received: 10-19-21 1342
 Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due : 8/24/22

Temperature: Cooler #1	2.7	°C +/- the CF (+0.1 °C) =	2.8	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If NO:				
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet		
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet		

Custody seals intact on cooler/sample Yes No* N/A
 Sample containers intact Yes No*
 Sample labels match Chain of Custody IDs Yes No*
 Total number of containers received match COC Yes No*
 Proper containers received for analyses requested on COC Yes No*
 Proper preservative indicated on COC/containers for analyses requested Yes No* N/A
 Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: AB 10-19-21

Comments:

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
 Melissa Robinson
 1311 Calle Batido, Suite 260
 San Clemente, CA 92673

Date Due: 10/26/21 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 10/19/21 13:42

Logged In By: Jennifer Berger

Date Logged In: 10/19/21 17:09

Samples Received at: **2.8°C**
 Custody Seals No Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confirmed No

Analysis	Due	TAT	Expires	Comments
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T213166-01 F2-01-20211018 [Soil] Sampled 10/18/21 13:38 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/16/22 13:38	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:38	
8082 PCB	10/26/21 15:00	5	11/01/21 13:38	
8260	10/26/21 15:00	5	11/01/21 13:38	
8270C PAH	10/26/21 15:00	5	11/01/21 13:38	

T213166-02 F2-05-20211018 [Soil] Sampled 10/18/21 13:40 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/16/22 13:40	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:40	
8260	10/26/21 15:00	5	11/01/21 13:40	

T213166-03 F3-01-20211018 [Soil] Sampled 10/18/21 13:17 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/16/22 13:17	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:17	
8082 PCB	10/26/21 15:00	5	11/01/21 13:17	
8260	10/26/21 15:00	5	11/01/21 13:17	
8270C PAH	10/26/21 15:00	5	11/01/21 13:17	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-04 F3-03-20211018 [Soil] Sampled 10/18/21 13:18 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 13:18	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:18	
8260	10/26/21 15:00	5	11/01/21 13:18	
T213166-05 G1-01-20211018 [Soil] Sampled 10/18/21 12:04 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:04	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:04	
8082 PCB	10/26/21 15:00	5	11/01/21 12:04	
8260	10/26/21 15:00	5	11/01/21 12:04	
8270C PAH	10/26/21 15:00	5	11/01/21 12:04	
T213166-06 G1-05-20211018 [Soil] Sampled 10/18/21 12:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:06	
8260	10/26/21 15:00	5	11/01/21 12:06	
T213166-07 G2-01-20211018 [Soil] Sampled 10/18/21 12:18 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:18	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:18	
8082 PCB	10/26/21 15:00	5	11/01/21 12:18	
8260	10/26/21 15:00	5	11/01/21 12:18	
8270C PAH	10/26/21 15:00	5	11/01/21 12:18	
T213166-08 G2-03-20211018 [Soil] Sampled 10/18/21 12:19 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:19	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:19	
8260	10/26/21 15:00	5	11/01/21 12:19	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-09 G3-01-20211018 [Soil] Sampled 10/18/21 12:53 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:53	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:53	
8082 PCB	10/26/21 15:00	5	11/01/21 12:53	
8260	10/26/21 15:00	5	11/01/21 12:53	
8270C PAH	10/26/21 15:00	5	11/01/21 12:53	
T213166-10 G3-03-20211018 [Soil] Sampled 10/18/21 12:54 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:54	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:54	
8260	10/26/21 15:00	5	11/01/21 12:54	
T213166-11 H1-01-20211018 [Soil] Sampled 10/18/21 09:51 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:51	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:51	
8082 PCB	10/26/21 15:00	5	11/01/21 09:51	
8260	10/26/21 15:00	5	11/01/21 09:51	
8270C PAH	10/26/21 15:00	5	11/01/21 09:51	
T213166-12 H1-03-20211018 [Soil] Sampled 10/18/21 09:52 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:52	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:52	
8260	10/26/21 15:00	5	11/01/21 09:52	
T213166-13 H2-01-20211018 [Soil] Sampled 10/18/21 11:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 11:03	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 11:03	
8082 PCB	10/26/21 15:00	5	11/01/21 11:03	
8260	10/26/21 15:00	5	11/01/21 11:03	
8270C PAH	10/26/21 15:00	5	11/01/21 11:03	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-14 H2-05-20211018 [Soil] Sampled 10/18/21 11:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 11:05	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 11:05	
8260	10/26/21 15:00	5	11/01/21 11:05	
T213166-15 H3-01-20211018 [Soil] Sampled 10/18/21 10:44 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:44	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:44	
8082 PCB	10/26/21 15:00	5	11/01/21 10:44	
8260	10/26/21 15:00	5	11/01/21 10:44	
8270C PAH	10/26/21 15:00	5	11/01/21 10:44	
T213166-16 H3-03-20211018 [Soil] Sampled 10/18/21 10:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:45	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:45	
8260	10/26/21 15:00	5	11/01/21 10:45	
T213166-17 F2-03-20211018 [Soil] Sampled 10/18/21 13:39 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-18 F2-10-20211018 [Soil] Sampled 10/18/21 13:41 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-19 F3-05-20211018 [Soil] Sampled 10/18/21 13:19 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-20 F3-10-20211018 [Soil] Sampled 10/18/21 13:20 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-21 G1-10-20211018 [Soil] Sampled 10/18/21 12:07 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-22 G1-03-20211018 [Soil] Sampled 10/18/21 12:05 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-23 G2-10-20211018 [Soil] Sampled 10/18/21 12:21 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-24 G2-05-20211018 [Soil] Sampled 10/18/21 12:20 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-25 G3-05-20211018 [Soil] Sampled 10/18/21 12:55 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-26 G3-10-20211018 [Soil] Sampled 10/18/21 12:56 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-27 H1-05-20211018 [Soil] Sampled 10/18/21 09:53 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-28 H1-10-20211018 [Soil] Sampled 10/18/21 09:54 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-29 H2-03-20211018 [Soil] Sampled 10/18/21 11:04 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-30 H2-10-20211018 [Soil] Sampled 10/18/21 11:06 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-31 H3-05-20211018 [Soil] Sampled 10/18/21 10:46 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-32 H3-10-20211018 [Soil] Sampled 10/18/21 10:47 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-33 I1-01-20211018 [Soil] Sampled 10/18/21 10:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:06	
8082 PCB	10/26/21 15:00	5	11/01/21 10:06	
8260	10/26/21 15:00	5	11/01/21 10:06	
8270C PAH	10/26/21 15:00	5	11/01/21 10:06	
T213166-34 I1-05-20211018 [Soil] Sampled 10/18/21 10:08 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:08	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:08	
8260	10/26/21 15:00	5	11/01/21 10:08	
T213166-35 I2-01-20211018 [Soil] Sampled 10/18/21 10:27 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:27	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:27	
8082 PCB	10/26/21 15:00	5	11/01/21 10:27	
8260	10/26/21 15:00	5	11/01/21 10:27	
8270C PAH	10/26/21 15:00	5	11/01/21 10:27	
T213166-36 I2-03-20211018 [Soil] Sampled 10/18/21 10:28 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:28	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:28	
8260	10/26/21 15:00	5	11/01/21 10:28	
T213166-37 I3-01-20211018 [Soil] Sampled 10/18/21 09:24 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:24	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:24	
8082 PCB	10/26/21 15:00	5	11/01/21 09:24	
8260	10/26/21 15:00	5	11/01/21 09:24	
8270C PAH	10/26/21 15:00	5	11/01/21 09:24	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-38 I3-03-20211018 [Soil] Sampled 10/18/21 09:25 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:25	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:25	
8260	10/26/21 15:00	5	11/01/21 09:25	
T213166-39 I4-01-20211018 [Soil] Sampled 10/18/21 09:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:06	
8082 PCB	10/26/21 15:00	5	11/01/21 09:06	
8260	10/26/21 15:00	5	11/01/21 09:06	
8270C PAH	10/26/21 15:00	5	11/01/21 09:06	
T213166-40 I4-05-20211018 [Soil] Sampled 10/18/21 09:09 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:09	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:09	
8260	10/26/21 15:00	5	11/01/21 09:09	
T213166-41 J1-01-20211018 [Soil] Sampled 10/18/21 08:49 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:49	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:49	
8082 PCB	10/26/21 15:00	5	11/01/21 08:49	
8260	10/26/21 15:00	5	11/01/21 08:49	
8270C PAH	10/26/21 15:00	5	11/01/21 08:49	
T213166-42 J1-05-20211018 [Soil] Sampled 10/18/21 08:51 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:51	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:51	
8260	10/26/21 15:00	5	11/01/21 08:51	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-43 J2-01-20211018 [Soil] Sampled 10/18/21 08:34 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:34	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:34	
8082 PCB	10/26/21 15:00	5	11/01/21 08:34	
8260	10/26/21 15:00	5	11/01/21 08:34	
8270C PAH	10/26/21 15:00	5	11/01/21 08:34	
T213166-44 J2-03-20211018 [Soil] Sampled 10/18/21 08:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:35	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:35	
8260	10/26/21 15:00	5	11/01/21 08:35	
T213166-45 K1-01-20211018 [Soil] Sampled 10/18/21 08:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:05	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:05	
8082 PCB	10/26/21 15:00	5	11/01/21 08:05	
8260	10/26/21 15:00	5	11/01/21 08:05	
8270C PAH	10/26/21 15:00	5	11/01/21 08:05	
T213166-46 K1-05-20211018 [Soil] Sampled 10/18/21 08:09 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:09	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:09	
8260	10/26/21 15:00	5	11/01/21 08:09	
T213166-47 I1-03-20211018 [Soil] Sampled 10/18/21 10:07 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-48 I1-10-20211018 [Soil] Sampled 10/18/21 10:09 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-49 I2-05-20211018 [Soil] Sampled 10/18/21 10:29 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-50 I2-10-20211018 [Soil] Sampled 10/18/21 10:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-51 I3-05-20211018 [Soil] Sampled 10/18/21 09:26 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-52 I3-10-20211018 [Soil] Sampled 10/18/21 09:27 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-53 I4-03-20211018 [Soil] Sampled 10/18/21 09:02 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-54 I4-10-20211018 [Soil] Sampled 10/18/21 09:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-55 J1-10-20211018 [Soil] Sampled 10/18/21 08:52 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-56 J1-03-20211018 [Soil] Sampled 10/18/21 08:50 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-57 J2-05-20211018 [Soil] Sampled 10/18/21 08:37 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-58 J2-10-20211018 [Soil] Sampled 10/18/21 08:38 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-59 K1-10-20211018 [Soil] Sampled 10/18/21 08:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-60 K1-03-20211018 [Soil] Sampled 10/18/21 08:08 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22

7470/71 Hg



25712 Commercentre Drive
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949.297.5020 Phone
949.297.5027 Fax

01 November 2021

Melissa Robinson
Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente, CA 92673
RE: HMC Arrowhead

Enclosed are the results of analyses for samples received by the laboratory on 10/21/21 15:07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin For Mike Jaroudi
Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 11/01/21 15:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A1	T213187-01	Air	10/21/21 07:51	10/21/21 15:07
A3	T213187-02	Air	10/21/21 08:23	10/21/21 15:07
B2	T213187-03	Air	10/21/21 08:52	10/21/21 15:07
C1	T213187-04	Air	10/21/21 09:16	10/21/21 15:07
C3	T213187-05	Air	10/21/21 09:48	10/21/21 15:07
D2	T213187-06	Air	10/21/21 10:10	10/21/21 15:07
E1	T213187-07	Air	10/21/21 10:33	10/21/21 15:07
E3	T213187-08	Air	10/21/21 10:54	10/21/21 15:07
F2	T213187-09	Air	10/21/21 11:36	10/21/21 15:07
G1	T213187-10	Air	10/21/21 12:09	10/21/21 15:07
Dup-1	T213187-11	Air	10/21/21 12:10	10/21/21 15:07
G3	T213187-12	Air	10/21/21 12:38	10/21/21 15:07
H2	T213187-13	Air	10/21/21 11:17	10/21/21 15:07
I1	T213187-14	Air	10/21/21 09:45	10/21/21 15:07
I4	T213187-15	Air	10/21/21 10:31	10/21/21 15:07
J1	T213187-16	Air	10/21/21 08:48	10/21/21 15:07
K1	T213187-17	Air	10/21/21 12:15	10/21/21 15:07

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

DETECTIONS SUMMARY

Sample ID: A1 **Laboratory ID:** T213187-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	33	6.9	ug/m ³ Air	TO-15	
Toluene	120	3.8	ug/m ³ Air	TO-15	
m,p-Xylene	18	8.8	ug/m ³ Air	TO-15	
o-Xylene	5.2	4.4	ug/m ³ Air	TO-15	

Sample ID: A3 **Laboratory ID:** T213187-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	31	12	ug/m ³ Air	TO-15	
Tetrachloroethene	78	6.9	ug/m ³ Air	TO-15	
Trichlorofluoromethane	16	5.7	ug/m ³ Air	TO-15	
Toluene	13	3.8	ug/m ³ Air	TO-15	
m,p-Xylene	14	8.8	ug/m ³ Air	TO-15	

Sample ID: B2 **Laboratory ID:** T213187-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	16	12	ug/m ³ Air	TO-15	
Tetrachloroethene	47	6.9	ug/m ³ Air	TO-15	
Trichloroethene	9.6	5.5	ug/m ³ Air	TO-15	
Toluene	13	3.8	ug/m ³ Air	TO-15	
m,p-Xylene	9.5	8.8	ug/m ³ Air	TO-15	

Sample ID: C1 **Laboratory ID:** T213187-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	18	12	ug/m ³ Air	TO-15	
Carbon Disulfide	3.8	3.2	ug/m ³ Air	TO-15	
Toluene	13	3.8	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

Sample ID: C3

Laboratory ID: T213187-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	16	12	ug/m ³ Air	TO-15	
1,2,4-Trimethylbenzene	5.4	5.0	ug/m ³ Air	TO-15	
Toluene	10	3.8	ug/m ³ Air	TO-15	

Sample ID: D2

Laboratory ID: T213187-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	34	12	ug/m ³ Air	TO-15	
Tetrachloroethene	10	6.9	ug/m ³ Air	TO-15	
Toluene	15	3.8	ug/m ³ Air	TO-15	

Sample ID: E1

Laboratory ID: T213187-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Cyclohexane	15	3.5	ug/m ³ Air	TO-15	
Tetrachloroethene	11	6.9	ug/m ³ Air	TO-15	
Toluene	7.0	3.8	ug/m ³ Air	TO-15	

Sample ID: E3

Laboratory ID: T213187-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Cyclohexane	7.8	3.5	ug/m ³ Air	TO-15	
Tetrachloroethene	7.2	6.9	ug/m ³ Air	TO-15	
Toluene	5.7	3.8	ug/m ³ Air	TO-15	

Sample ID: F2

Laboratory ID: T213187-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	14	12	ug/m ³ Air	TO-15	
Isopropyl alcohol	13	13	ug/m ³ Air	TO-15	
Cyclohexane	8.9	3.5	ug/m ³ Air	TO-15	
Hexane	4.7	3.6	ug/m ³ Air	TO-15	
Trichloroethene	7.3	5.5	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

Sample ID: F2 **Laboratory ID:** T213187-09

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
1,2,4-Trimethylbenzene	17	5.0		ug/m ³ Air	TO-15	
Toluene	21	3.8		ug/m ³ Air	TO-15	
1,1-Difluoroethane (Freon 152)	37	27		ug/m ³ Air	TO-15	

Sample ID: G1 **Laboratory ID:** T213187-10

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chloroform	6.6	5.0		ug/m ³ Air	TO-15	
Cyclohexane	10	3.5		ug/m ³ Air	TO-15	
Tetrachloroethene	200	6.9		ug/m ³ Air	TO-15	

Sample ID: Dup-1 **Laboratory ID:** T213187-11

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Acetone	19	12		ug/m ³ Air	TO-15	
Cyclohexane	8.7	3.5		ug/m ³ Air	TO-15	
Tetrachloroethene	180	6.9		ug/m ³ Air	TO-15	
Toluene	10	3.8		ug/m ³ Air	TO-15	

Sample ID: G3 **Laboratory ID:** T213187-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
1,1-Dichloroethane	3900	210		ug/m ³ Air	TO-15	
1,2-Dichloroethane	220	210		ug/m ³ Air	TO-15	
1,1-Dichloroethene	980	200		ug/m ³ Air	TO-15	
1,1,1-Trichloroethane	52000	280		ug/m ³ Air	TO-15	

Sample ID: H2 **Laboratory ID:** T213187-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Cyclohexane	8.4	3.5		ug/m ³ Air	TO-15	
Tetrachloroethene	320	6.9		ug/m ³ Air	TO-15	
1,2,4-Trimethylbenzene	7.6	5.0		ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

Sample ID: H2

Laboratory ID: T213187-13

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Toluene	8.7	3.8	ug/m ³ Air	TO-15	
m,p-Xylene	11	8.8	ug/m ³ Air	TO-15	
o-Xylene	6.3	4.4	ug/m ³ Air	TO-15	

Sample ID: I1

Laboratory ID: T213187-14

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Cyclohexane	5.5	3.5	ug/m ³ Air	TO-15	
Tetrachloroethene	32	6.9	ug/m ³ Air	TO-15	
Toluene	11	3.8	ug/m ³ Air	TO-15	

Sample ID: I4

Laboratory ID: T213187-15

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	13	12	ug/m ³ Air	TO-15	
Toluene	7.8	3.8	ug/m ³ Air	TO-15	

Sample ID: J1

Laboratory ID: T213187-16

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	16	12	ug/m ³ Air	TO-15	
Cyclohexane	5.1	3.5	ug/m ³ Air	TO-15	
Tetrachloroethene	20	6.9	ug/m ³ Air	TO-15	
Toluene	8.3	3.8	ug/m ³ Air	TO-15	

Sample ID: K1

Laboratory ID: T213187-17

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	26	12	ug/m ³ Air	TO-15	
Cyclohexane	8.2	3.5	ug/m ³ Air	TO-15	
Tetrachloroethene	14	6.9	ug/m ³ Air	TO-15	
Toluene	5.8	3.8	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin For Mike Jaroudi, Project Manager



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 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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A1
T213187-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	12	ug/m ³ Air	1.74	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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A1
T213187-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.74	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	33	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	120	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	18	8.8	"	"	"	"	"	"	
o-Xylene	5.2	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.9 %		59.2-130	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

A3
T213187-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	31	12	ug/m ³ Air	1.86	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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A3
T213187-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.86	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	78	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	16	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	13	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	14	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

B2
T213187-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	16	12	ug/m ³ Air	1.8	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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B2
T213187-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.8	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	47	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	9.6	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	13	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	9.5	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %		59.2-130	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

C1
T213187-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	18	12	ug/m ³ Air	1.59	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	3.8	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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C1
T213187-04 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.59	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	13	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

C3
T213187-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	16	12	ug/m ³ Air	1.86	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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C3
T213187-05 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.86	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	5.4	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	10	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %		59.2-130	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

D2
T213187-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	34	12	ug/m ³ Air	1.7	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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D2
T213187-06 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.7	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	10	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	15	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.3 %		59.2-130	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

E1
T213187-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	12	ug/m ³ Air	1.7	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	15	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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E1
T213187-07 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.7	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	11	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	7.0	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.9 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

E3
T213187-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	12	ug/m ³ Air	1.85	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	7.8	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.



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Joann Marroquin For Mike Jaroudi, Project Manager



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E3
T213187-08 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.85	1102537	10/25/21	10/27/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	7.2	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	5.7	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.3 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

F2
T213187-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	14	12	ug/m ³ Air	1.85	1102537	10/25/21	10/27/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	13	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	8.9	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	4.7	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	27	"	"	"	"	"	"	

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F2
T213187-09 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Styrene	ND	4.3	ug/m ³ Air	1.85	1102537	10/25/21	10/27/21	TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	7.3	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	17	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	21	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	37	27	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene 99.6 % 59.2-130 " " " "

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G1
T213187-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	12	ug/m ³ Air	1.98	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	6.6	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	10	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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G1
T213187-10 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.98	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	200	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	59.2-130		"	"	"	"	

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Dup-1
T213187-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	19	12	ug/m ³ Air	1.9	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	8.7	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Dup-1
T213187-11 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.9	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	180	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	10	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	59.2-130		"	"	"	"	

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G3
T213187-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15									TO-15 High
Acetone	ND	120	ug/m ³ Air	2.03	1102537	10/25/21	10/26/21	TO-15	
1,3-Butadiene	ND	110	"	"	"	"	"	"	
Carbon Disulfide	ND	160	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	390	"	"	"	"	"	"	
Isopropyl alcohol	ND	130	"	"	"	"	"	"	
Bromodichloromethane	ND	340	"	"	"	"	"	"	
Bromoform	ND	530	"	"	"	"	"	"	
Bromomethane	ND	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	320	"	"	"	"	"	"	
Chlorobenzene	ND	230	"	"	"	"	"	"	
Chloroethane	ND	130	"	"	"	"	"	"	
Chloroform	ND	250	"	"	"	"	"	"	
Chloromethane	ND	110	"	"	"	"	"	"	
Cyclohexane	ND	170	"	"	"	"	"	"	
Heptane	ND	210	"	"	"	"	"	"	
Hexane	ND	180	"	"	"	"	"	"	
Dibromochloromethane	ND	430	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	310	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	310	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	310	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	250	"	"	"	"	"	"	
1,1-Dichloroethane	3900	210	"	"	"	"	"	"	
1,2-Dichloroethane	220	210	"	"	"	"	"	"	
1,1-Dichloroethene	980	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	240	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	
4-Ethyltoluene	ND	250	"	"	"	"	"	"	

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G3
T213187-12 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15								TO-15 High
Methylene chloride	ND	180	ug/m ³ Air	2.03	1102537	10/25/21	10/26/21	TO-15
Styrene	ND	220	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"
Tetrahydrofuran	ND	150	"	"	"	"	"	"
Tetrachloroethene	ND	350	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"
1,1,1-Trichloroethane	52000	280	"	"	"	"	"	"
Trichloroethene	ND	270	"	"	"	"	"	"
Trichlorofluoromethane	ND	290	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"
Vinyl acetate	ND	180	"	"	"	"	"	"
Vinyl chloride	ND	130	"	"	"	"	"	"
1,4-Dioxane	ND	180	"	"	"	"	"	"
2-Butanone (MEK)	ND	150	"	"	"	"	"	"
Methyl isobutyl ketone	ND	210	"	"	"	"	"	"
Benzene	ND	160	"	"	"	"	"	"
Toluene	ND	190	"	"	"	"	"	"
Ethylbenzene	ND	220	"	"	"	"	"	"
m,p-Xylene	ND	220	"	"	"	"	"	"
o-Xylene	ND	220	"	"	"	"	"	"
1,1-Difluoroethane (Freon 152)	ND	270	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		101 %	59.2-130		"	"	"	"

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Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

H2
T213187-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	12	ug/m ³ Air	1.82	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	8.4	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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H2
T213187-13 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.82	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	320	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	7.6	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	8.7	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	11	8.8	"	"	"	"	"	"	
o-Xylene	6.3	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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II
T213187-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Acetone	ND	12	ug/m ³ Air	1.56	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	5.5	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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II
T213187-14 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.56	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	32	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	11	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

Equipoise Corporation
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Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
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14

T213187-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	13	12	ug/m ³ Air	1.67	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Joann Marroquin For Mike Jaroudi, Project Manager



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I4
T213187-15 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.67	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	7.8	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %		59.2-130		"	"	"	"

SunStar Laboratories, Inc.

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Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

J1
T213187-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	16	12	ug/m ³ Air	1.69	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	5.1	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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J1
T213187-16 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.69	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	20	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	8.3	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	59.2-130		"	"	"	"	

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Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

K1
T213187-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	26	12	ug/m ³ Air	1.95	1102537	10/25/21	10/28/21	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	8.2	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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K1
T213187-17 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	27	ug/m ³ Air	1.95	1102537	10/25/21	10/28/21	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	14	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	5.8	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (Freon 152)	ND	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102537 - Canister Analysis

Blank (1102537-BLK1)

Prepared: 10/25/21 Analyzed: 10/27/21

Acetone	ND	12	ug/m ³ Air							
1,3-Butadiene	ND	4.5	"							
Carbon Disulfide	ND	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"							
Isopropyl alcohol	ND	13	"							
Bromodichloromethane	ND	6.8	"							
Bromoform	ND	11	"							
Bromomethane	ND	20	"							
Carbon tetrachloride	ND	6.4	"							
Chlorobenzene	ND	4.7	"							
Chloroethane	ND	2.7	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	11	"							
Cyclohexane	ND	3.5	"							
Heptane	ND	4.2	"							
Hexane	ND	3.6	"							
Dibromochloromethane	ND	8.7	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,2-Dichlorobenzene	ND	31	"							
1,3-Dichlorobenzene	ND	31	"							
1,4-Dichlorobenzene	ND	31	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	4.1	"							
1,2-Dichloroethane	ND	4.1	"							
1,1-Dichloroethene	ND	4.0	"							
cis-1,2-Dichloroethene	ND	4.0	"							
trans-1,2-Dichloroethene	ND	4.0	"							
1,2-Dichloropropane	ND	4.7	"							
cis-1,3-Dichloropropene	ND	4.6	"							
trans-1,3-Dichloropropene	ND	4.6	"							
4-Ethyltoluene	ND	5.0	"							
Methylene chloride	ND	27	"							
Styrene	ND	4.3	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
Tetrahydrofuran	ND	3.0	"							

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102537 - Canister Analysis

Blank (1102537-BLK1)

Prepared: 10/25/21 Analyzed: 10/27/21

Tetrachloroethene	ND	6.9	ug/m ³ Air							
1,1,2-Trichloroethane	ND	5.6	"							
1,1,1-Trichloroethane	ND	5.6	"							
Trichloroethene	ND	5.5	"							
Trichlorofluoromethane	ND	5.7	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl acetate	ND	3.6	"							
Vinyl chloride	ND	2.6	"							
1,4-Dioxane	ND	18	"							
2-Butanone (MEK)	ND	15	"							
Methyl isobutyl ketone	ND	42	"							
Benzene	ND	3.3	"							
Toluene	ND	3.8	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
o-Xylene	ND	4.4	"							
1,1-Difluoroethane (Freon 152)	ND	27	"							
Surrogate: 4-Bromofluorobenzene	363		"	362		100	59.2-130			

Duplicate (1102537-DUP1)

Source: T213187-01

Prepared: 10/25/21 Analyzed: 10/27/21

Acetone	18.9	12	ug/m ³ Air		ND				30	
1,3-Butadiene	ND	4.5	"		ND				30	
Carbon Disulfide	ND	3.2	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"		ND				30	
Isopropyl alcohol	7.70	13	"		7.57			1.71	30	
Bromodichloromethane	ND	6.8	"		ND				30	
Bromoform	ND	11	"		ND				30	
Bromomethane	ND	20	"		ND				30	
Carbon tetrachloride	ND	6.4	"		ND				30	
Chlorobenzene	ND	4.7	"		ND				30	
Chloroethane	ND	2.7	"		ND				30	
Chloroform	ND	5.0	"		ND				30	
Chloromethane	ND	11	"		ND				30	
Cyclohexane	ND	3.5	"		ND				30	

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
---	---	-----------------------------

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102537 - Canister Analysis

Duplicate (1102537-DUP1)	Source: T213187-01			Prepared: 10/25/21	Analyzed: 10/27/21
Heptane	ND	4.2	ug/m ³ Air	ND	30
Hexane	ND	3.6	"	ND	30
Dibromochloromethane	ND	8.7	"	ND	30
1,2-Dibromoethane (EDB)	ND	7.8	"	ND	30
1,2-Dichlorobenzene	ND	31	"	ND	30
1,3-Dichlorobenzene	ND	31	"	ND	30
1,4-Dichlorobenzene	ND	31	"	ND	30
Dichlorodifluoromethane	ND	5.0	"	ND	30
1,1-Dichloroethane	ND	4.1	"	ND	30
1,2-Dichloroethane	ND	4.1	"	ND	30
1,1-Dichloroethene	ND	4.0	"	ND	30
cis-1,2-Dichloroethene	ND	4.0	"	ND	30
trans-1,2-Dichloroethene	ND	4.0	"	ND	30
1,2-Dichloropropane	ND	4.7	"	ND	30
cis-1,3-Dichloropropene	ND	4.6	"	ND	30
trans-1,3-Dichloropropene	ND	4.6	"	ND	30
4-Ethyltoluene	ND	5.0	"	ND	30
Methylene chloride	ND	27	"	ND	30
Styrene	ND	4.3	"	ND	30
1,1,2,2-Tetrachloroethane	ND	7.0	"	ND	30
Tetrahydrofuran	ND	3.0	"	ND	30
Tetrachloroethene	32.5	6.9	"	32.9	1.10 30
1,1,2-Trichloroethane	ND	5.6	"	ND	30
1,1,1-Trichloroethane	ND	5.6	"	ND	30
Trichloroethene	ND	5.5	"	ND	30
Trichlorofluoromethane	ND	5.7	"	ND	30
1,3,5-Trimethylbenzene	ND	5.0	"	ND	30
1,2,4-Trimethylbenzene	ND	5.0	"	ND	30
Vinyl acetate	ND	3.6	"	ND	30
Vinyl chloride	ND	2.6	"	ND	30
1,4-Dioxane	ND	18	"	ND	30
2-Butanone (MEK)	6.20	15	"	5.73	7.86 30
Methyl isobutyl ketone	ND	42	"	ND	30
Benzene	ND	3.3	"	ND	30
Toluene	121	3.8	"	117	3.48 30
Ethylbenzene	5.15	4.4	"	ND	30

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



25712 Commercentre Drive
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 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/01/21 15:37
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TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102537 - Canister Analysis

Duplicate (1102537-DUP1)	Source: T213187-01			Prepared: 10/25/21 Analyzed: 10/27/21	
m,p-Xylene	19.1	8.8	ug/m ³ Air	18.0	6.21 30
o-Xylene	5.54	4.4	"	5.15	7.19 30
1,1-Difluoroethane (Freon 152)	9.28	27	"	9.37	1.03 30
Surrogate: 4-Bromofluorobenzene	365		"	362	101 59.2-130

SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager



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Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/01/21 15:37

Notes and Definitions

TO-15 High TO-15 analysis of sample was analyzed using an elevated calibration range due to high analyte and/or background concentrations. The reporting limit has been adjusted accordingly.

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

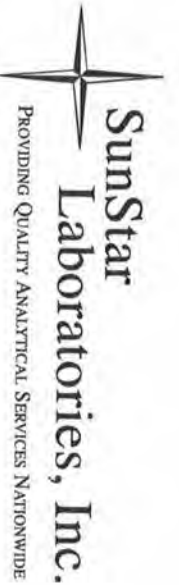
SunStar Laboratories, Inc.

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Joann Marroquin For Mike Jaroudi, Project Manager

AIR LABORATORY

Chain of Custody Record



25712 Commerce Centre Drive, Lake Forest, CA 92630
949-297-5020

Client: Empoisse Corporation
Address: 1311 Calle Baitide
Phone: (760) 658-9889 Fax: (760) 658-9889
Project Manager: Melissa Robinson
melissa.robinson@empoissecorp.com

Date: 10/21/2021 Page: 1 of 2
Project Name: HML-Arrowhead
Collector: Chris W & Kalyum M Client Project #:
Batch #: T213187 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Start Time	Finish Time	Sample Type: Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15	Methane by GC - FID	Fixed Gases by TCD	RSK - 175	Summa Can, Manifold # / Comments
01	A1	10/24/2021	0751	0759	Soil Gas	Summa Can	-30	-6	X						SSAT-0745 / WS #3
02	A3		0833	0831			-27	-5	X						SSAT-0854 / SSAT 3030
03	B2		0852	0900			-21	-5	X						SSAT-0173 / WS #1
04	C1		0916	0924			-30	-5	X						SSAT-0479 / SSAT 2449
05	B3		0948	0954			-28	-5	X						SSAT-0809 / SSAT 2120
06	D1		1010	1016			-28	-5	X						SSAT-661 / SSAT 2406
07	E1		1033	1034			-30	-5	X						SSAT-0474 / SSAT 2095
08	E3		1054	1100			-28	-5	X						SSAT-0743 / SSAT 2419
09	F2		1136	1142			-27	-5	X						SSAT-667 / SSAT 2633
10	G1		1209	1215			-27	-5	X						SSAT-0551 / SSAT 2442
11	DUP-1		1210	1216			-28	-5	X						SSAT-0106 / SSAT 2154
12	G3		1250	1244			-27	-5	X						SSAT-0180 / SSAT 2115
Relinquished by: (signature)		Date / Time	Received by: (signature)		Date / Time	Total # of containers		Chain of Custody seals		Seals intact? Y/N/NA		Received good condition/cold		Notes	
														11-DFA used as leak check. please analyze	
Relinquished by: (signature)		Date / Time	Received by: (signature)		Date / Time	Turn around time:									
Relinquished by: (signature)		Date / Time	Received by: (signature)		Date / Time										

* TO-15 SIM analysis available upon prior notification. (Pre-certified Summa cans needed)

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T213187
 Client Name: Equipoise Corp Project: HMC - Arrowhead
 Delivered by: Client SunStar Courier GLS FedEx UPS
 If Courier, Received by: _____ Date/Time Courier Received: _____
 Lab Received by: Paul Date/Time Lab Received: 10-21-21 15:07
 Total number of coolers received: Thermometer ID: SC-1 Calibration due : 8/24/22

Temperature: Cooler #1	°C +/- the CF (+0.1 °C) = <u>N/A</u>	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (°C) =	°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If NO:		
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample Yes No* N/A
 Sample containers intact Yes No*
 Sample labels match Chain of Custody IDs Yes No*
 Total number of containers received match COC Yes No*
 Proper containers received for analyses requested on COC Yes No*
 Proper preservative indicated on COC/containers for analyses requested Yes No* N/A
 Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: TB 10-21-21

Comments:

T213187

*** PLEASE DO NOT WRITE ON OR PLACE LABELS ON SUMMA CANS**



Canister Data Sheet

Client: EQUIPOISECORP 10-13-21 MELISSA 20+18 CONTAINER SCHEDULING - HMC

Vacuum Gauge: REC-3	Used to Verify:	X	SN: 145026	Calibrated On:	2/5/2020	Next Calibration Due:	2/5/2021	
Vacuum Gauge: REC-4	Used to Verify:	Pressure (-28 to -30 InHg)	SN: 145025	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
Canister Serial #	CHECK Date		Sample ID					
SSAT: 0106	10/13/2021	-30	DMP-1	10/21/21	-28	-5	1210	1216
SSAT: 0476	10/13/2021	-30	I1	10/21/21	-30	-3	0945	0953
SSAT: 0043	10/13/2021	-30	J1	10/21/21	-27	-3	0848	0853
SSAT: 0180	10/13/2021	-30	G3	10/21/21	-27	-5	1238	1244
SSAT: 0094	10/13/2021	-30						
SSAT: 0479	10/13/2021	-30	C1	10/21/21	-30	-5	0916	0924
SSAT: 0152	10/13/2021	-30						
SSAT: 0209	10/13/2021	-30						
SSAT: 0161	10/13/2021	-30	K1	10/21/21	-25	-10	1215	1219
SSAT: 0173	10/13/2021	-30	B2	10/21/21	-27	-5	0852	0900
SSAT: 0745	10/13/2021	-30	A1	10/21/21	-30	-10	0751	0759
SSAT: 0854	10/13/2021	-30	A3	10/21/21	-27	-5	0823	0831
SSAT: 0809	10/13/2021	-30	C3	10/21/21	-28	-5	0948	0954
SSAT: 0800	10/13/2021	-30	H2	10/21/21	-28	-4	1117	1122
SSAT: 0351	10/13/2021	-30	G1	10/21/21	-27	-5	1209	1215
SSAT: 0642	10/13/2021	-30	I4	10/21/21	-28	-4	1039	1037

SunStar Laboratories Inc.
25712 Commercentre Dr
Lake Forest, CA 92630

Office (949)297-5020
Bill Hannell (530) 304-5525

Rev. 03 Date: 02/20
Receiving Form 002
7213187
95 10/21/21

Vacuum Gauge: REC-3		9/1/2021	X	SN: 145026	Calibrated On:	2/5/2020	Next Calibration Due:	2/5/2021
Vacuum Gauge: REC-4		Used to Verify:		SN: 145025	Calibrated On:	2/5/2020	Next Calibration Due:	2/5/2021
Canister Serial #	CHECK Date	Pressure (-28 to -30 InHg)	Sample ID	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
SSAT: 0661	10/13/2021	-30	D2	10/21/21	-28	-5	1010	1016
SSAT: 0474	10/13/2021	-30	E1	10/21/21	-30	-5	1033	1039
SSAT: 0743	10/13/2021	-30	E3	10/21/21	-28	-5	1054	1100
SSAT: 0667	10/13/2021	-30	F2	10/21/21	-27	-5	1136	1142
SSAT: 3030	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2033	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2119	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2118	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2115	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2154	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2136	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2131	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2106	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2112	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2142	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2095	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2085	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: 2149	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: wso#1	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: wso#3	10/13/2021	N.A.	MANIFOLD(150)					
SSAT: wso#5	10/13/2021	N.A.	MANIFOLD(150)					



SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

T213187

Project Name: CONTAINER SCHEDULING - HMC				Rebecca	
Company: EQUIPOISECORP					
Name: MELISSA					
Item	Quantity	Unit			
2 oz Jars 24/CS					
4 oz Jars 24/CS					
8 oz Jars 12/CS					
40 ml unpreserved VOAs 100/box					
40 ml HCL-preserved VOAs 72/box					
250 ml Poly 24/CS					
500 ml Poly 16/CS					
1 Liter Poly 12/CS					
500 ml Amber Bottle Wide 12/CS					
1 Liter Amber Bottle 12/CS					
1 Gallon Poly 4/box					
5035 kits:(2)Sodium Bisulfate VOAs 72/box					
	(1) Methanol VOA 72/box				
	(1)Syringe 50/pack				
Lock-N-Load Handle 1/ea					
Tedlar Bags 10/pack					
Sub Slab Insert w/ washer & N/F					
Soil Gas SS 16" Drop Tubes					
Gas Extraction Fittings					
Soil Gas Filters					
	Volume of Summa	# Sent	Used	Unused	Unreturned
Batch Certified Summa Canisters	400cc				
	1L	20	CHARGE 17	3	0
	3L				
	6L				
Purge cans					
Nitrogen cans	1L				
Ind. Cerified Summa Cannisters	1L				
	3L				
	6L				
63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0					DB
Manifolds: Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn		18 MANIFOLDS(150)	CHARGE 17		0
Swagelok Fittings: Nuts/Ferrules, Ts		20 N/F	CHARGE 20		
Cooler (Sm, Med, Lrg) Number & Quantity		3 LRG COOLERS			
Other: Poly Tube, Valves, Silicon Tape, etc.					
Prepared By: DB		Date: 10/13/21			
Reviewed By:		Date:			
Comments:		We are still waiting for the coolers to come back.			
Cooler Policy: Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a \$50 per cooler fee for replacement costs.					

Check In Report

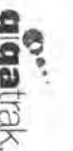
T213187



Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
0106X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0476X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0043X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0180X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0094X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0479X	1000cc Summa		10/21/2021 04:52 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0152X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0209X	1000cc Summa		10/21/2021 04:52 PM		Equipoise-Melissa	SunStar Labs South		
0161X	1000cc Summa		10/21/2021 04:53 PM		Equipoise-Melissa	SunStar Labs South		
0173X	1000cc Summa		10/21/2021 04:53 PM		Equipoise-Melissa	SunStar Labs South		
0745X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0854X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0809X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0800X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0351X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		

Check In Report

T2-13187



Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
0642X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0661X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0474X	1000cc Summa		10/21/2021 04:53 PM		Equipoise-Melissa	SunStar Labs South		
0743X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
0667X	1000cc Summa		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
3030X	Vapor Manifold		10/21/2021 04:53 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2033X	Vapor Manifold		10/21/2021 04:54 PM	Good	Equipoise-Melissa	SunStar Labs South		
2119X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2118X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2115X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2154X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2136X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2131X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2106X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2112X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		

Check In Report

T213187



Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
2142X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2095X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2085X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2149X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		
2120X	Chameleon 150 Manifold		10/21/2021 04:54 PM	Excellent	Equipoise-Melissa	SunStar Labs South		

WORK ORDER

T213187

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
 Melissa Robinson
 1311 Calle Batido, Suite 260
 San Clemente, CA 92673

Date Due: 11/01/21 00:00 (7 day TAT)

Received By: Paul Berner

Date Received: 10/21/21 15:07

Logged In By: Jennifer Berger

Date Logged In: 10/21/21 17:02

Samples Received at:

Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirmed	No		

Analysis	Due	TAT	Expires	Comments
T213187-01 A1 [Air] Sampled 10/21/21 07:51 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 07:51	+ 1,1-DFA
T213187-02 A3 [Air] Sampled 10/21/21 08:23 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 08:23	+ 1,1-DFA
T213187-03 B2 [Air] Sampled 10/21/21 08:52 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 08:52	+ 1,1-DFA
T213187-04 C1 [Air] Sampled 10/21/21 09:16 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 09:16	+ 1,1-DFA
T213187-05 C3 [Air] Sampled 10/21/21 09:48 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 09:48	+ 1,1-DFA
T213187-06 D2 [Air] Sampled 10/21/21 10:10 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 10:10	+ 1,1-DFA
T213187-07 E1 [Air] Sampled 10/21/21 10:33 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 10:33	+ 1,1-DFA
T213187-08 E3 [Air] Sampled 10/21/21 10:54 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 10:54	+ 1,1-DFA
T213187-09 F2 [Air] Sampled 10/21/21 11:36 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 11:36	+ 1,1-DFA

WORK ORDER

T213187

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213187-10 G1 [Air] Sampled 10/21/21 12:09 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 12:09	+ 1,1-DFA
T213187-11 Dup-1 [Air] Sampled 10/21/21 12:10 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 12:10	+ 1,1-DFA
T213187-12 G3 [Air] Sampled 10/21/21 12:38 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 12:38	+ 1,1-DFA
T213187-13 H2 [Air] Sampled 10/21/21 11:17 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 11:17	+ 1,1-DFA
T213187-14 I1 [Air] Sampled 10/21/21 09:45 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 09:45	+ 1,1-DFA
T213187-15 I4 [Air] Sampled 10/21/21 10:31 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 10:31	+ 1,1-DFA
T213187-16 J1 [Air] Sampled 10/21/21 08:48 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 08:48	+ 1,1-DFA
T213187-17 K1 [Air] Sampled 10/21/21 12:15 (GMT-08:00) Pacific Time (US &				
TO-15	11/01/21 00:00	7	11/20/21 12:15	+ 1,1-DFA



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

03 November 2021

Melissa Robinson
Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente, CA 92673
RE: HMC Arrowhead

Enclosed are the results of analyses for samples received by the laboratory on 10/19/21 13:42. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee For Mike Jaroudi
Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/03/21 17:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-03-20211019	T213165-08	Soil	10/19/21 10:24	10/19/21 13:42
B3-03-20211019	T213165-12	Soil	10/19/21 09:42	10/19/21 13:42
C3-01-20211019	T213165-33	Soil	10/19/21 09:03	10/19/21 13:42
E3-01-20211018	T213165-45	Soil	10/18/21 15:04	10/19/21 13:42
F1-01-20211018	T213165-47	Soil	10/18/21 13:55	10/19/21 13:42

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee For Mike Jaroudi, Project Manager



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 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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B1-03-20211019
T213165-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Chromium	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311/6010/7 000	
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STLC Metals by 6000/7000 Series Methods

Chromium	ND	5.0	mg/l	1	1102901	10/29/21	11/02/21	STLC EPA 6010B	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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B3-03-20211019
T213165-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Chromium	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311/6010/7 000	
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STLC Metals by 6000/7000 Series Methods

Chromium	ND	5.0	mg/l	1	1102901	10/29/21	11/02/21	STLC EPA 6010B	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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C3-01-20211019
T213165-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	3.8	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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E3-01-20211018
T213165-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	12	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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F1-01-20211018
T213165-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	1.5	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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TCLP Metals by 6000/7000 Series Methods - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1110133 - TCLP Metals

Blank (1110133-BLK1)

Prepared: 11/01/21 Analyzed: 11/03/21

Antimony	ND	0.10	mg/l							
Arsenic	ND	0.10	"							
Barium	ND	0.10	"							
Beryllium	ND	0.10	"							
Cadmium	ND	0.10	"							
Chromium	ND	0.10	"							
Cobalt	ND	0.10	"							
Copper	ND	0.10	"							
Lead	ND	0.10	"							
Lead	ND	0.10	"							
Molybdenum	ND	0.10	"							
Nickel	ND	0.10	"							
Selenium	ND	0.10	"							
Silver	ND	0.10	"							
Thallium	ND	0.10	"							
Vanadium	ND	0.10	"							
Zinc	ND	0.10	"							

LCS (1110133-BS1)

Prepared: 11/01/21 Analyzed: 11/03/21

Arsenic	0.587	0.10	mg/l	0.500		117	75-125			
Barium	0.515	0.10	"	0.500		103	75-125			
Cadmium	0.548	0.10	"	0.500		110	75-125			
Chromium	0.515	0.10	"	0.500		103	75-125			
Lead	0.512	0.10	"	0.500		102	75-125			
Lead	0.512	0.10	"	0.500		102	75-125			

Matrix Spike (1110133-MS1)

Source: T213165-08

Prepared: 11/01/21 Analyzed: 11/03/21

Arsenic	0.567	0.10	mg/l	0.500	ND	113	75-125			
Barium	1.15	0.10	"	0.500	0.649	101	75-125			
Cadmium	0.506	0.10	"	0.500	0.00135	101	75-125			
Chromium	0.490	0.10	"	0.500	0.00359	97.3	75-125			
Lead	0.480	0.10	"	0.500	0.00119	95.8	75-125			
Lead	0.480	0.10	"	0.500	0.00119	95.8	75-125			

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
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STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102901 - STLC Metals

Blank (1102901-BLK1)

Prepared: 10/29/21 Analyzed: 11/02/21

Lead	ND	0.50	mg/l							
Antimony	ND	5.0	"							
Arsenic	ND	5.0	"							
Barium	ND	5.0	"							
Beryllium	ND	5.0	"							
Cadmium	ND	5.0	"							
Chromium	ND	5.0	"							
Cobalt	ND	5.0	"							
Copper	ND	5.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	5.0	"							
Selenium	ND	5.0	"							
Silver	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	5.0	"							

LCS (1102901-BS1)

Prepared: 10/29/21 Analyzed: 11/02/21

Lead	9.57	0.50	mg/l	10.0		95.7	75-125
Arsenic	10.8	5.0	"	10.0		108	75-125
Barium	10.2	5.0	"	10.0		102	75-125
Cadmium	10.6	5.0	"	10.0		106	75-125
Chromium	10.2	5.0	"	10.0		102	75-125
Lead	9.57	5.0	"	10.0		95.7	75-125

Matrix Spike (1102901-MS1)

Source: T213165-08

Prepared: 10/29/21 Analyzed: 11/02/21

Lead	9.70	0.50	mg/l	10.0	0.703	90.0	75-125
Arsenic	10.4	5.0	"	10.0	ND	104	75-125
Barium	13.4	5.0	"	10.0	3.75	96.7	75-125
Cadmium	9.95	5.0	"	10.0	ND	99.5	75-125
Chromium	9.86	5.0	"	10.0	ND	98.6	75-125
Lead	9.70	5.0	"	10.0	0.703	90.0	75-125

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:05
---	---	-----------------------------

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102901 - STLC Metals

Matrix Spike Dup (1102901-MSD1)	Source: T213165-08			Prepared: 10/29/21 Analyzed: 11/02/21						
Lead	10.0	0.50	mg/l	10.0	0.703	93.0	75-125	3.11	30	
Arsenic	10.5	5.0	"	10.0	ND	105	75-125	1.00	30	
Barium	13.8	5.0	"	10.0	3.75	101	75-125	2.86	30	
Cadmium	10.3	5.0	"	10.0	ND	103	75-125	3.78	30	
Chromium	10.2	5.0	"	10.0	ND	102	75-125	3.77	30	
Lead	10.0	5.0	"	10.0	0.703	93.0	75-125	3.11	30	

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/03/21 17:05

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21

Page: 1 of 8

Project Name: HMC Arrowhead

Collector: T213165

Client Project #:

Batch #: T213165

EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs	Laboratory ID #	Comments/Preservative
A1-01-20211019	10/19/21	1040	SOIL	Sieve	X	X	X	X	X	1	
A1-05-20211019	10/19/21	1042	SOIL		X	X	X	X	X	2	
A2-01-20211019	10/19/21	1057	SOIL		X	X	X	X	X	3	
A2-03-20211019	10/19/21	1058	SOIL		X	X	X	X	X	4	
A3-01-20211019	10/19/21	1115	SOIL		X	X	X	X	X	5	
A3-05-20211019	10/19/21	1117	SOIL		X	X	X	X	X	6	
B1-01-20211019	10/19/21	1023	SOIL		X	X	X	X	X	7	
B1-03-20211019	10/19/21	1024	SOIL		X	X	X	X	X	8	
B2-01-20211019	10/19/21	1003	SOIL		X	X	X	X	X	9	
B2-05-20211019	10/19/21	1005	SOIL		X	X	X	X	X	10	
B3-01-20211019	10/19/21	0941	SOIL		X	X	X	X	X	11	
B3-03-20211019	10/19/21	0942	SOIL		X	X	X	X	X	12	
C1-01-20211019	10/19/21	0830	SOIL		X	X	X	X	X	13	
C1-05-20211019	10/19/21	0832	SOIL		X	X	X	X	X	14	
C2-01-20211019	10/19/21	0544	SOIL		X	X	X	X	X	15	
C2-03-20211019	10/19/21	0545	SOIL		X	X	X	X	X	16	
Relinquished by: (signature) <i>Kalvin McAdams</i> 10/19/21 1342 Received by: (signature) <i>AS</i> 10-19-21 1342 Chain of Custody seals Y/N/A Seals intact? Y/N/A Received good condition/cold Turn around time: 2.18										Total # of containers	Notes

Sample disposal instructions: Disposal @ \$2.00 each

Return to client

Pickup

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 119 S Arrowhead St, San Bernardino
 Phone: (909) 615 - 0005 Fax: _____
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12 Page: 2 of 8
 Project Name: HMC Arrowhead
 Collector: _____ Client Project #: _____
 Batch #: 121365 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	pH	Laboratory ID #	Comments/Preservative
A1-05-202110 19	10/19/12	1041	SOIL	SLEVA	X	17	
A1-10-202110 19	10/19/12	1043	SOIL		X	18	
A2-10-202110 19	10/19/12	1100	SOIL		X	19	
A2-15-202110 19	10/19/12	1059	SOIL		X	20	
A3-05-202110 19	10/19/12	1116	SOIL		X	21	
A3-10-202110 19	10/19/12	1118	SOIL		X	22	
B1-05-202110 19	10/19/12	1025	SOIL		X	23	
B1-10-202110 19	10/19/12	1026	SOIL		X	24	
B2-05-202110 19	10/19/12	1004	SOIL		X	25	
B2-10-202110 19	10/19/12	1000	SOIL		X	26	
B3-10-202110 19	10/19/12	0944	SOIL		X	27	
B3-05-202110 19	10/19/12	0943	SOIL		X	28	
C1-05-202110 19	10/19/12	0831	SOIL		X	29	
C1-10-202110 19	10/19/12	0833	SOIL		X	30	
C2-05-202110 19	10/19/12	0846	SOIL		X	31	
C2-10-202110 19	10/19/12	0847	SOIL		X	32	
Relinquished by: (signature) <u>Kathy McFadden</u> <u>10/19/12 1342</u>			Received by: (signature) <u>[Signature]</u> <u>10-19-12 1342</u>		Total # of containers		
Relinquished by: (signature) _____			Received by: (signature) _____		Chain of Custody seals <u>Y/N/A</u>		
Relinquished by: (signature) _____			Received by: (signature) _____		Seals intact? Y/N/A <u>[initials]</u>		
Relinquished by: (signature) _____			Received by: (signature) _____		Received good condition/cold <u>[initials]</u>		
Relinquished by: (signature) _____			Received by: (signature) _____		Turn around time: <u>STP</u>		
Relinquished by: (signature) _____			Received by: (signature) _____		Notes		
Relinquished by: (signature) _____			Received by: (signature) _____		Total # of containers		

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Fax: _____

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12

Page: 3 of 8

Project Name: HMC Arrowhead

Collector: _____

Client Project #: _____

Batch #: 7213165

EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs	Laboratory ID #	Comments/Preservative	Total # of containers
C3-D1 -202110 19	10/19/12	0903	SOIL	Sleeve	X	X	X	X	X	33		
C3-D5 -202110 19	10/19/12	0905	SOIL		X	X	X	X	X	34		
D1-D1 -202110 19	10/19/12	0810	SOIL		X	X	X	X	X	35		
D1-D5 -202110 19	10/19/12	0811	SOIL		X	X	X	X	X	36		
D2-D1 -202110 19	10/19/12	0752	SOIL		X	X	X	X	X	37		
D2-D5 -202110 19	10/19/12	0754	SOIL		X	X	X	X	X	38		
D3-D1 -202110 19	10/19/12	0735	SOIL		X	X	X	X	X	39		
D3-D5 -202110 19	10/19/12	0736	SOIL		X	X	X	X	X	40		
E1-D1 -202110 18	10/18/12	1430	SOIL		X	X	X	X	X	41		
E1-D5 -202110 18	10/18/12	1432	SOIL		X	X	X	X	X	42		
E2-D1 -202110 18	10/18/12	1440	SOIL		X	X	X	X	X	43		
E2-D5 -202110 18	10/18/12	1447	SOIL		X	X	X	X	X	44		
E3-D1 -202110 18	10/18/12	1504	SOIL		X	X	X	X	X	45		
E3-D5 -202110 18	10/18/12	1506	SOIL		X	X	X	X	X	46		
F1-D1 -202110 18	10/18/12	1555	SOIL		X	X	X	X	X	47		
F1-D5 -202110 18	10/18/12	1556	SOIL		X	X	X	X	X	48		
Reinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____												
Reinquished by: (signature) <u>Kueym McFadden</u> Date / Time <u>10/19/12 1342</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>10-19-21 1342</u>												
Reinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____												
Reinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____												
Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____ Turn around time: <u>STD</u>												

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 1311 Calle Batido, San Clemente
 Phone: (909) 615 - 0005 Fax: _____
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21 Page: 4 of 2
 Project Name: HMC Arrowhead
 Collector: _____
 Batch #: T213165 Client Project #: _____
 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	PH	Laboratory ID #	Comments/Preservative	Total # of containers							
C3-03 -202110 19	10/19/21	0704	SOIL	Sealwr	X	59									
C3-10 -202110 19	10/19/21	0900	SOIL		X	50									
D1-05 -202110 19	10/19/21	0812	SOIL		X	51									
D1-10 -202110 19	10/19/21	0813	SOIL		X	52									
D2-03 -202110 19	10/19/21	0753	SOIL		X	53									
D2-10 -202110 19	10/19/21	0755	SOIL		X	54									
D3-03 -202110 19	10/19/21	0807	SOIL		X	55									
D3-10 -202110 19	10/19/21	0738	SOIL		X	56									
E1-03 -202110 18	10/18/21	1431	SOIL		X	57									
E1-10 -202110 18	10/18/21	1433	SOIL		X	58									
E2-03 -202110 18	10/18/21	1448	SOIL		X	59									
E2-10 -202110 18	10/18/21	1449	SOIL		X	60									
E3-03 -202110 18	10/18/21	1505	SOIL		X	61									
E3-10 -202110 18	10/18/21	1507	SOIL		X	62									
F1-05 -202110 18	10/18/21	1367	SOIL		X	63									
F1-10 -202110 18	10/18/21	1358	SOIL		X	64									
Relinquished by: (signature) <u>Kathleen Mettler</u>					Date / Time	10/19/21	1342	Received by: (signature) <u>[Signature]</u>	Date / Time	10/19/21	1342	Chain of Custody seals <u>Y/N/A</u>	Seals intact? <u>Y/N/A</u>	Received good condition/cold	<u>21°C</u>
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time						
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time						

Sample disposal instructions: Disposal @ \$2.00 each Return to client _____ Pickup _____ Turn around time: 5TB

Joann Marroquin

From: Melissa Robinson <melissa.robinson@equipoisecorp.com>
Sent: Thursday, October 28, 2021 4:29 PM
To: Joann Marroquin
Cc: Cathy Hartman
Subject: Re: Final Report and Invoices for HMC Arrowhead (T213165 and T213166)

Hello Joan,

Based on the concentrations present in these lab reports, we have 15 soil samples that need to be reanalyzed for STLCL/TCLP metals solubility (for hazardous waste characterization) on a rushed TAT (3-days if possible).

The following list calls out the samples/metals in question.

- C3-1 has Lead at 82 ppm
- E3-1 has Lead at 66 ppm
- F1-1 has Lead at 250 ppm
- G1-1 has Lead at 50 ppm
- H2-1 has Lead at 110 ppm, Chromium at 230 ppm, and Nickel at 290 ppm
- H3-1 has Chromium at 51 ppm
- I2-1 has Lead at 540 ppm
- I3-1 has Lead at 580 ppm and Chromium at 170 ppm
- J1-1 has Lead at 670 ppm
- J2-1 has Lead at 57 ppm
- K1-1 has Lead at 61 ppm

- B1-3 has Chromium at 170 ppm
- B3-3 has Chromium at 110 ppm
- G2-3 has Lead at 51 ppm, and
- G3-3 has Chromium at 2100ppm, Copper at 760 ppm, Lead at 730 ppm, and Nickel at 1400 ppm.

Please let me know if you have any questions.

-Melissa

Sent from my iPhone

On Oct 27, 2021, at 4:33 PM, Joann Marroquin <joann@sunstarlabs.com> wrote:

Please find attached the final report and invoices for:

Project Name: **HMC Arrowhead**

Project Number: -

Thank you for your business! We appreciate you choosing SunStar!

<image001.png>

<T213165f HMC Arrowhead.pdf>

<T213166f HMC Arrowhead.pdf>

<T213166 FINAL EXCEL 27 Oct 21 1624.xls>

<T213165 FINAL EXCEL 27 Oct 21 1547.xls>

<SSL21-3166.pdf>

<SSL21-3165.pdf>

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T213165
 Client Name: Equibase Corp Project: TIME Arrowhead

Delivered by: Client SunStar Courier GLS FedEx Other

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Dave Date/Time Lab Received: 10/19/21 13:42

Total number of coolers received: 1 Thermometer ID: SC-Gun Calibration due : 8/4/22

Temperature:	Cooler #1	2.0 °C +/- the CF (+ 0.1°C) =	2.1 °C	corrected temperature
Temperature:	Cooler #2	°C +/- the CF (+ 0.1°C) =		°C corrected temperature
Temperature:	Cooler #3	°C +/- the CF (+ 0.1°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If NO:				
Samples received on ice?		<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet	
If on ice, samples received same day collected?		<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet	

- Custody seals intact on cooler/sample Yes No* N/A
- Sample containers intact Yes No*
- Sample labels match Chain of Custody IDs Yes No*
- Total number of containers received match COC Yes No*
- Proper containers received for analyses requested on COC Yes No*
- Proper preservative indicated on COC/containers for analyses requested Yes No* N/A
- Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: JB 10/19/21

Comments: Sample #50 ("C3-10-20211019") was not received with a container. Sample ID's and ^{on 10/19/21} sampled times for sample #34 and #49 were swapped on the COC and container, as clarified by the client.

SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # 7213165

▪ **COOLERS**

- Not Received (received COC only)
- Leaking/Damaged
- Other:

▪ **CUSTODY SEALS**

- None
- Not Intact

▪ **TEMPERATURE (Temp criteria $\leq 6^{\circ}\text{C}$)**

- Cooler/Sample Temp(s)
- Temperature Blank(s)

▪ **CHAIN OF CUSTODY (COC)**

Not relinquished by client; No date/time relinquished

- Incomplete information provided
- COC not received – notify PM

▪ **CONTAINERS**

- Leaking Broken
- Extra Missing

▪ **LABELS**

- Not the same sample ID / info as on the COC
- Incomplete Information
- Markings/Info illegible

▪ **SAMPLES**

- Samples **NOT RECEIVED** but listed on COC
- Samples received but **NOT LISTED** on COC
- Logged based on Label Information and not COC
- Logged according to Work Plan and not COC
- Logged in, **ON HOLD** until further notice
- Insufficient quantities for analysis
- Improper container used

- Mislabeled as to tests, preservatives, etc.
- Holding time expired – list sample ID and test
- Not preserved/Improper preservative used
- Without Labels, no information on containers
- VOA vial(s) containing headspace >6mm
- Other

Project Manager notified of sample non-conformance(s) Yes No

All samples accepted for processing and distributing to laboratory(ies) Yes No

For samples not accepted due to non-conformance, specify each specific sample ID being rejected in the comments section below:

Comments:

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
 Melissa Robinson
 1311 Calle Batido, Suite 260
 San Clemente, CA 92673

Date Due: 10/26/21 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 10/19/21 13:42

Logged In By: Jennifer Berger

Date Logged In: 10/19/21 16:05

Samples Received at: 2.1°C
 Custody Seals No Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confirmed No

Analysis	Due	TAT	Expires	Comments
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T213165-01 A1-01-20211019 [Soil] Sampled 10/19/21 10:40 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/17/22 10:40	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:40	
8082 PCB	10/26/21 15:00	5	11/02/21 10:40	
8260	10/26/21 15:00	5	11/02/21 10:40	
8270C PAH	10/26/21 15:00	5	11/02/21 10:40	

T213165-02 A1-05-20211019 [Soil] Sampled 10/19/21 10:42 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/17/22 10:42	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:42	
8260	10/26/21 15:00	5	11/02/21 10:42	

T213165-03 A2-01-20211019 [Soil] Sampled 10/19/21 10:57 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/17/22 10:57	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:57	
8082 PCB	10/26/21 15:00	5	11/02/21 10:57	
8260	10/26/21 15:00	5	11/02/21 10:57	
8270C PAH	10/26/21 15:00	5	11/02/21 10:57	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-04 A2-03-20211019 [Soil] Sampled 10/19/21 10:58 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:58	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:58	
8260	10/26/21 15:00	5	11/02/21 10:58	
T213165-05 A3-01-20211019 [Soil] Sampled 10/19/21 11:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 11:15	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 11:15	
8082 PCB	10/26/21 15:00	5	11/02/21 11:15	
8260	10/26/21 15:00	5	11/02/21 11:15	
8270C PAH	10/26/21 15:00	5	11/02/21 11:15	
T213165-06 A3-05-20211019 [Soil] Sampled 10/19/21 11:17 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 11:17	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 11:17	
8260	10/26/21 15:00	5	11/02/21 11:17	
T213165-07 B1-01-20211019 [Soil] Sampled 10/19/21 10:23 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:23	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:23	
8082 PCB	10/26/21 15:00	5	11/02/21 10:23	
8260	10/26/21 15:00	5	11/02/21 10:23	
8270C PAH	10/26/21 15:00	5	11/02/21 10:23	
T213165-08 B1-03-20211019 [Soil] Sampled 10/19/21 10:24 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:24	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:24	
8260	10/26/21 15:00	5	11/02/21 10:24	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-09 B2-01-20211019 [Soil] Sampled 10/19/21 10:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:03	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:03	
8082 PCB	10/26/21 15:00	5	11/02/21 10:03	
8260	10/26/21 15:00	5	11/02/21 10:03	
8270C PAH	10/26/21 15:00	5	11/02/21 10:03	
T213165-10 B2-05-20211019 [Soil] Sampled 10/19/21 10:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 10:05	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 10:05	
8260	10/26/21 15:00	5	11/02/21 10:05	
T213165-11 B3-01-20211019 [Soil] Sampled 10/19/21 09:41 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:41	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:41	
8082 PCB	10/26/21 15:00	5	11/02/21 09:41	
8260	10/26/21 15:00	5	11/02/21 09:41	
8270C PAH	10/26/21 15:00	5	11/02/21 09:41	
T213165-12 B3-03-20211019 [Soil] Sampled 10/19/21 09:42 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:42	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:42	
8260	10/26/21 15:00	5	11/02/21 09:42	
T213165-13 C1-01-20211019 [Soil] Sampled 10/19/21 08:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:30	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:30	
8082 PCB	10/26/21 15:00	5	11/02/21 08:30	
8260	10/26/21 15:00	5	11/02/21 08:30	
8270C PAH	10/26/21 15:00	5	11/02/21 08:30	

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-14 C1-05-20211019 [Soil] Sampled 10/19/21 08:32 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:32	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:32	
8260	10/26/21 15:00	5	11/02/21 08:32	
T213165-15 C2-01-20211019 [Soil] Sampled 10/19/21 08:44 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:44	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:44	
8082 PCB	10/26/21 15:00	5	11/02/21 08:44	
8260	10/26/21 15:00	5	11/02/21 08:44	
8270C PAH	10/26/21 15:00	5	11/02/21 08:44	
T213165-16 C2-03-20211019 [Soil] Sampled 10/19/21 08:45 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:45	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:45	
8260	10/26/21 15:00	5	11/02/21 08:45	
T213165-17 A1-03-20211019 [Soil] Sampled 10/19/21 10:41 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-18 A1-10-20211019 [Soil] Sampled 10/19/21 10:43 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-19 A2-10-20211019 [Soil] Sampled 10/19/21 11:00 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-20 A2-05-20211019 [Soil] Sampled 10/19/21 10:59 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-21 A3-03-20211019 [Soil] Sampled 10/19/21 11:16 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-22 A3-10-20211019 [Soil] Sampled 10/19/21 11:18 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-23 B1-05-20211019 [Soil] Sampled 10/19/21 10:25 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-24 B1-10-20211019 [Soil] Sampled 10/19/21 10:26 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-25 B2-03-20211019 [Soil] Sampled 10/19/21 10:04 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-26 B2-10-20211019 [Soil] Sampled 10/19/21 10:06 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-27 B3-10-20211019 [Soil] Sampled 10/19/21 09:44 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-28 B3-05-20211019 [Soil] Sampled 10/19/21 09:43 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-29 C1-03-20211019 [Soil] Sampled 10/19/21 08:31 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-30 C1-10-20211019 [Soil] Sampled 10/19/21 08:33 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-31 C2-05-20211019 [Soil] Sampled 10/19/21 08:46 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-32 C2-10-20211019 [Soil] Sampled 10/19/21 08:47 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-33 C3-01-20211019 [Soil] Sampled 10/19/21 09:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:03	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:03	
8082 PCB	10/26/21 15:00	5	11/02/21 09:03	
8260	10/26/21 15:00	5	11/02/21 09:03	
8270C PAH	10/26/21 15:00	5	11/02/21 09:03	
T213165-34 C3-03-20211019 [Soil] Sampled 10/19/21 09:04 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 09:04	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 09:04	
8260	10/26/21 15:00	5	11/02/21 09:04	
T213165-35 D1-01-20211019 [Soil] Sampled 10/19/21 08:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:10	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:10	
8082 PCB	10/26/21 15:00	5	11/02/21 08:10	
8260	10/26/21 15:00	5	11/02/21 08:10	
8270C PAH	10/26/21 15:00	5	11/02/21 08:10	
T213165-36 D1-03-20211019 [Soil] Sampled 10/19/21 08:11 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 08:11	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 08:11	
8260	10/26/21 15:00	5	11/02/21 08:11	
T213165-37 D2-01-20211019 [Soil] Sampled 10/19/21 07:52 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:52	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:52	
8082 PCB	10/26/21 15:00	5	11/02/21 07:52	
8260	10/26/21 15:00	5	11/02/21 07:52	
8270C PAH	10/26/21 15:00	5	11/02/21 07:52	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-38 D2-05-20211019 [Soil] Sampled 10/19/21 07:54 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:54	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:54	
8260	10/26/21 15:00	5	11/02/21 07:54	
T213165-39 D3-01-20211019 [Soil] Sampled 10/19/21 07:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:35	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:35	
8082 PCB	10/26/21 15:00	5	11/02/21 07:35	
8260	10/26/21 15:00	5	11/02/21 07:35	
8270C PAH	10/26/21 15:00	5	11/02/21 07:35	
T213165-40 D3-03-20211019 [Soil] Sampled 10/19/21 07:36 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/17/22 07:36	
8015 Carbon Chain	10/26/21 15:00	5	11/02/21 07:36	
8260	10/26/21 15:00	5	11/02/21 07:36	
T213165-41 E1-01-20211018 [Soil] Sampled 10/18/21 14:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:30	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:30	
8082 PCB	10/26/21 15:00	5	11/01/21 14:30	
8260	10/26/21 15:00	5	11/01/21 14:30	
8270C PAH	10/26/21 15:00	5	11/01/21 14:30	
T213165-42 E1-05-20211018 [Soil] Sampled 10/18/21 14:32 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:32	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:32	
8260	10/26/21 15:00	5	11/01/21 14:32	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-43 E2-01-20211018 [Soil] Sampled 10/18/21 14:46 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:46	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:46	
8082 PCB	10/26/21 15:00	5	11/01/21 14:46	
8260	10/26/21 15:00	5	11/01/21 14:46	
8270C PAH	10/26/21 15:00	5	11/01/21 14:46	
T213165-44 E2-03-20211018 [Soil] Sampled 10/18/21 14:47 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 14:47	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 14:47	
8260	10/26/21 15:00	5	11/01/21 14:47	
T213165-45 E3-01-20211018 [Soil] Sampled 10/18/21 15:04 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 15:04	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 15:04	
8082 PCB	10/26/21 15:00	5	11/01/21 15:04	
8260	10/26/21 15:00	5	11/01/21 15:04	
8270C PAH	10/26/21 15:00	5	11/01/21 15:04	
T213165-46 E3-05-20211018 [Soil] Sampled 10/18/21 15:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 15:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 15:06	
8260	10/26/21 15:00	5	11/01/21 15:06	
T213165-47 F1-01-20211018 [Soil] Sampled 10/18/21 13:55 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 13:55	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:55	
8082 PCB	10/26/21 15:00	5	11/01/21 13:55	
8260	10/26/21 15:00	5	11/01/21 13:55	
8270C PAH	10/26/21 15:00	5	11/01/21 13:55	

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-48 F1-03-20211018 [Soil] Sampled 10/18/21 13:56 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 13:56	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:56	
8260	10/26/21 15:00	5	11/01/21 13:56	
T213165-49 C3-03-20211019 [Soil] Sampled 10/19/21 09:05 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-50 C3-10-20211019 [Soil] Sampled 10/19/21 09:06 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-51 D1-05-20211019 [Soil] Sampled 10/19/21 08:12 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-52 D1-10-20211019 [Soil] Sampled 10/19/21 08:13 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-53 D2-03-20211019 [Soil] Sampled 10/19/21 07:53 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-54 D2-10-20211019 [Soil] Sampled 10/19/21 07:55 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-55 D3-05-20211019 [Soil] Sampled 10/19/21 07:37 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-56 D3-10-20211019 [Soil] Sampled 10/19/21 07:38 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-57 E1-03-20211018 [Soil] Sampled 10/18/21 14:31 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-58 E1-10-20211018 [Soil] Sampled 10/18/21 14:33 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-59 E2-05-20211018 [Soil] Sampled 10/18/21 14:48 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-60 E2-10-20211018 [Soil] Sampled 10/18/21 14:49 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-61 E3-03-20211018 [Soil] Sampled 10/18/21 15:05 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-62 E3-10-20211018 [Soil] Sampled 10/18/21 15:07 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-63 F1-05-20211018 [Soil] Sampled 10/18/21 13:57 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-64 F1-10-20211018 [Soil] Sampled 10/18/21 13:58 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22

7470/71 Hg

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
Melissa Robinson
1311 Calle Batido, Suite 260
San Clemente, CA 92673

Date Due: 11/03/21 15:00 (11 day TAT)

Received By: Dave Berner

Date Received: 10/19/21 13:42

Logged In By: Jennifer Berger

Date Logged In: 10/19/21 16:05

Samples Received at: 2.1°C
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirmed No

Analysis	Due	TAT	Expires	Comments
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T213165-01 A1-01-20211019 [Soil] Sampled 10/19/21 10:40 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	10/24/21 10:40	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:40	
8082 PCB	10/26/21 15:00	5	11/02/21 10:40	
8260	10/22/21 15:00	3	11/02/21 10:40	
8270C PAH	10/26/21 15:00	5	11/02/21 10:40	

T213165-02 A1-05-20211019 [Soil] Sampled 10/19/21 10:42 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	10/24/21 10:42	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:42	
8260	10/22/21 15:00	3	11/02/21 10:42	

T213165-03 A2-01-20211019 [Soil] Sampled 10/19/21 10:57 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	10/24/21 10:57	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:57	
8082 PCB	10/26/21 15:00	5	11/02/21 10:57	
8260	10/22/21 15:00	3	11/02/21 10:57	
8270C PAH	10/26/21 15:00	5	11/02/21 10:57	

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-04 A2-03-20211019 [Soil] Sampled 10/19/21 10:58 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 10:58	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:58	
8260	10/22/21 15:00	3	11/02/21 10:58	
T213165-05 A3-01-20211019 [Soil] Sampled 10/19/21 11:15 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 11:15	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 11:15	
8082 PCB	10/26/21 15:00	5	11/02/21 11:15	
8260	10/22/21 15:00	3	11/02/21 11:15	
8270C PAH	10/26/21 15:00	5	11/02/21 11:15	
T213165-06 A3-05-20211019 [Soil] Sampled 10/19/21 11:17 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 11:17	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 11:17	
8260	10/22/21 15:00	3	11/02/21 11:17	
T213165-07 B1-01-20211019 [Soil] Sampled 10/19/21 10:23 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 10:23	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:23	
8082 PCB	10/26/21 15:00	5	11/02/21 10:23	
8260	10/22/21 15:00	3	11/02/21 10:23	
8270C PAH	10/26/21 15:00	5	11/02/21 10:23	
T213165-08 B1-03-20211019 [Soil] Sampled 10/19/21 10:24 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 10:24	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:24	
8260	10/22/21 15:00	3	11/02/21 10:24	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/17/22 10:24	Cr Only
STLC Title 22 Metals	10/26/21 15:00	5	04/17/22 10:24	Cr Only
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/17/22 10:24	Cr Only
TCLP Title 22	10/26/21 15:00	5	04/17/22 10:24	Cr Only

WORK ORDER

T213165

Client: Equipoise Corporation
Project: HMC Arrowhead

Project Manager: Mike Jaroudi
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-09 B2-01-20211019 [Soil] Sampled 10/19/21 10:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 10:03	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:03	
8082 PCB	10/26/21 15:00	5	11/02/21 10:03	
8260	10/22/21 15:00	3	11/02/21 10:03	
8270C PAH	10/26/21 15:00	5	11/02/21 10:03	
T213165-10 B2-05-20211019 [Soil] Sampled 10/19/21 10:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 10:05	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 10:05	
8260	10/22/21 15:00	3	11/02/21 10:05	
T213165-11 B3-01-20211019 [Soil] Sampled 10/19/21 09:41 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 09:41	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 09:41	
8082 PCB	10/26/21 15:00	5	11/02/21 09:41	
8260	10/22/21 15:00	3	11/02/21 09:41	
8270C PAH	10/26/21 15:00	5	11/02/21 09:41	
T213165-12 B3-03-20211019 [Soil] Sampled 10/19/21 09:42 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 09:42	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 09:42	
8260	10/22/21 15:00	3	11/02/21 09:42	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/17/22 09:42	Cr Only
STLC Title 22 Metals	10/26/21 15:00	5	04/17/22 09:42	Cr Only
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/17/22 09:42	Cr Only
TCLP Title 22	10/26/21 15:00	5	04/17/22 09:42	Cr Only
T213165-13 C1-01-20211019 [Soil] Sampled 10/19/21 08:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 08:30	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 08:30	
8082 PCB	10/26/21 15:00	5	11/02/21 08:30	
8260	10/22/21 15:00	3	11/02/21 08:30	
8270C PAH	10/26/21 15:00	5	11/02/21 08:30	

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-14 C1-05-20211019 [Soil] Sampled 10/19/21 08:32 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 08:32	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 08:32	
8260	10/22/21 15:00	3	11/02/21 08:32	
T213165-15 C2-01-20211019 [Soil] Sampled 10/19/21 08:44 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 08:44	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 08:44	
8082 PCB	10/26/21 15:00	5	11/02/21 08:44	
8260	10/22/21 15:00	3	11/02/21 08:44	
8270C PAH	10/26/21 15:00	5	11/02/21 08:44	
T213165-16 C2-03-20211019 [Soil] Sampled 10/19/21 08:45 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 08:45	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 08:45	
8260	10/22/21 15:00	3	11/02/21 08:45	
T213165-17 A1-03-20211019 [Soil] Sampled 10/19/21 10:41 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-18 A1-10-20211019 [Soil] Sampled 10/19/21 10:43 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-19 A2-10-20211019 [Soil] Sampled 10/19/21 11:00 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-20 A2-05-20211019 [Soil] Sampled 10/19/21 10:59 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-21 A3-03-20211019 [Soil] Sampled 10/19/21 11:16 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-22 A3-10-20211019 [Soil] Sampled 10/19/21 11:18 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-23 B1-05-20211019 [Soil] Sampled 10/19/21 10:25 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-24 B1-10-20211019 [Soil] Sampled 10/19/21 10:26 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-25 B2-03-20211019 [Soil] Sampled 10/19/21 10:04 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-26 B2-10-20211019 [Soil] Sampled 10/19/21 10:06 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-27 B3-10-20211019 [Soil] Sampled 10/19/21 09:44 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-28 B3-05-20211019 [Soil] Sampled 10/19/21 09:43 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-29 C1-03-20211019 [Soil] Sampled 10/19/21 08:31 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-30 C1-10-20211019 [Soil] Sampled 10/19/21 08:33 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-31 C2-05-20211019 [Soil] Sampled 10/19/21 08:46 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-32 C2-10-20211019 [Soil] Sampled 10/19/21 08:47 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-33 C3-01-20211019 [Soil] Sampled 10/19/21 09:03 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 09:03	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 09:03	
8082 PCB	10/26/21 15:00	5	11/02/21 09:03	
8260	10/22/21 15:00	3	11/02/21 09:03	
8270C PAH	10/26/21 15:00	5	11/02/21 09:03	
STLC Pb	11/03/21 15:00	5	04/17/22 09:03	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/17/22 09:03	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/17/22 09:03	
TCLP Pb	11/03/21 15:00	5	04/17/22 09:03	
T213165-34 C3-03-20211019 [Soil] Sampled 10/19/21 09:04 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 09:04	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 09:04	
8260	10/22/21 15:00	3	11/02/21 09:04	
T213165-35 D1-01-20211019 [Soil] Sampled 10/19/21 08:10 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 08:10	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 08:10	
8082 PCB	10/26/21 15:00	5	11/02/21 08:10	
8260	10/22/21 15:00	3	11/02/21 08:10	
8270C PAH	10/26/21 15:00	5	11/02/21 08:10	
T213165-36 D1-03-20211019 [Soil] Sampled 10/19/21 08:11 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 08:11	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 08:11	
8260	10/22/21 15:00	3	11/02/21 08:11	
T213165-37 D2-01-20211019 [Soil] Sampled 10/19/21 07:52 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 07:52	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 07:52	
8082 PCB	10/26/21 15:00	5	11/02/21 07:52	
8260	10/22/21 15:00	3	11/02/21 07:52	
8270C PAH	10/26/21 15:00	5	11/02/21 07:52	

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-38 D2-05-20211019 [Soil] Sampled 10/19/21 07:54 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 07:54	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 07:54	
8260	10/22/21 15:00	3	11/02/21 07:54	
T213165-39 D3-01-20211019 [Soil] Sampled 10/19/21 07:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 07:35	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 07:35	
8082 PCB	10/26/21 15:00	5	11/02/21 07:35	
8260	10/22/21 15:00	3	11/02/21 07:35	
8270C PAH	10/26/21 15:00	5	11/02/21 07:35	
T213165-40 D3-03-20211019 [Soil] Sampled 10/19/21 07:36 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/24/21 07:36	
8015 Carbon Chain	10/22/21 15:00	3	11/02/21 07:36	
8260	10/22/21 15:00	3	11/02/21 07:36	
T213165-41 E1-01-20211018 [Soil] Sampled 10/18/21 14:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 14:30	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 14:30	
8082 PCB	10/26/21 15:00	5	11/01/21 14:30	
8260	10/22/21 15:00	3	11/01/21 14:30	
8270C PAH	10/26/21 15:00	5	11/01/21 14:30	
T213165-42 E1-05-20211018 [Soil] Sampled 10/18/21 14:32 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 14:32	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 14:32	
8260	10/22/21 15:00	3	11/01/21 14:32	

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-43 E2-01-20211018 [Soil] Sampled 10/18/21 14:46 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 14:46	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 14:46	
8082 PCB	10/26/21 15:00	5	11/01/21 14:46	
8260	10/22/21 15:00	3	11/01/21 14:46	
8270C PAH	10/26/21 15:00	5	11/01/21 14:46	
T213165-44 E2-03-20211018 [Soil] Sampled 10/18/21 14:47 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 14:47	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 14:47	
8260	10/22/21 15:00	3	11/01/21 14:47	
T213165-45 E3-01-20211018 [Soil] Sampled 10/18/21 15:04 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 15:04	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 15:04	
8082 PCB	10/26/21 15:00	5	11/01/21 15:04	
8260	10/22/21 15:00	3	11/01/21 15:04	
8270C PAH	10/26/21 15:00	5	11/01/21 15:04	
STLC Pb	11/03/21 15:00	5	04/16/22 15:04	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 15:04	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 15:04	
TCLP Pb	11/03/21 15:00	5	04/16/22 15:04	
T213165-46 E3-05-20211018 [Soil] Sampled 10/18/21 15:06 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 15:06	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 15:06	
8260	10/22/21 15:00	3	11/01/21 15:06	

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-47 F1-01-20211018 [Soil] Sampled 10/18/21 13:55 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 13:55	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 13:55	
8082 PCB	10/26/21 15:00	5	11/01/21 13:55	
8260	10/22/21 15:00	3	11/01/21 13:55	
8270C PAH	10/26/21 15:00	5	11/01/21 13:55	
STLC Pb	11/03/21 15:00	5	04/16/22 13:55	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 13:55	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 13:55	
TCLP Pb	11/03/21 15:00	5	04/16/22 13:55	
T213165-48 F1-03-20211018 [Soil] Sampled 10/18/21 13:56 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 13:56	
8015 Carbon Chain	10/22/21 15:00	3	11/01/21 13:56	
8260	10/22/21 15:00	3	11/01/21 13:56	
T213165-49 C3-03-20211019 [Soil] Sampled 10/19/21 09:05 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-50 C3-10-20211019 [Soil] Sampled 10/19/21 09:06 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-51 D1-05-20211019 [Soil] Sampled 10/19/21 08:12 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-52 D1-10-20211019 [Soil] Sampled 10/19/21 08:13 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-53 D2-03-20211019 [Soil] Sampled 10/19/21 07:53 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213165-54 D2-10-20211019 [Soil] Sampled 10/19/21 07:55 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				

WORK ORDER

T213165

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213165-55 D3-05-20211019 [Soil] Sampled 10/19/21 07:37 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-56 D3-10-20211019 [Soil] Sampled 10/19/21 07:38 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-57 E1-03-20211018 [Soil] Sampled 10/18/21 14:31 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-58 E1-10-20211018 [Soil] Sampled 10/18/21 14:33 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-59 E2-05-20211018 [Soil] Sampled 10/18/21 14:48 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-60 E2-10-20211018 [Soil] Sampled 10/18/21 14:49 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-61 E3-03-20211018 [Soil] Sampled 10/18/21 15:05 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-62 E3-10-20211018 [Soil] Sampled 10/18/21 15:07 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-63 F1-05-20211018 [Soil] Sampled 10/18/21 13:57 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213165-64 F1-10-20211018 [Soil] Sampled 10/18/21 13:58 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213165

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

STLC Title 22 Metals

sub STLC T22 Metals sub STLC Hg CV

TCLP Title 22

sub TCLP Title 22 Metals sub TCLP Hg CV



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03 November 2021

Melissa Robinson
Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente, CA 92673
RE: HMC Arrowhead

Enclosed are the results of analyses for samples received by the laboratory on 10/19/21 13:42. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee For Mike Jaroudi
Project Manager



25712 Commercentre Drive
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 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 11/03/21 17:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G1-01-20211018	T213166-05	Soil	10/18/21 12:04	10/19/21 13:42
G2-03-20211018	T213166-08	Soil	10/18/21 12:19	10/19/21 13:42
G3-03-20211018	T213166-10	Soil	10/18/21 12:54	10/19/21 13:42
H2-01-20211018	T213166-13	Soil	10/18/21 11:03	10/19/21 13:42
H3-01-20211018	T213166-15	Soil	10/18/21 10:44	10/19/21 13:42
I2-01-20211018	T213166-35	Soil	10/18/21 10:27	10/19/21 13:42
I3-01-20211018	T213166-37	Soil	10/18/21 09:24	10/19/21 13:42
J1-05-20211018	T213166-42	Soil	10/18/21 08:51	10/19/21 13:42
J2-01-20211018	T213166-43	Soil	10/18/21 08:34	10/19/21 13:42
K1-01-20211018	T213166-45	Soil	10/18/21 08:05	10/19/21 13:42

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee For Mike Jaroudi, Project Manager

Equipoise Corporation
1311 Calle Batido, Suite 260
San Clemente CA, 92673

Project: HMC Arrowhead
Project Number: [none]
Project Manager: Melissa Robinson

Reported:
11/03/21 17:11

DETECTIONS SUMMARY

Sample ID: G1-01-20211018 **Laboratory ID:** T213166-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	1.3	0.50		mg/l	STLC Waste Extraction T	

Sample ID: G2-03-20211018 **Laboratory ID:** T213166-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	5.7	0.50		mg/l	STLC Waste Extraction T	

Sample ID: G3-03-20211018 **Laboratory ID:** T213166-10

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Nickel	0.11	0.10		mg/l	EPA 1311/6010/7000	
Lead	5.3	5.0		mg/l	STLC EPA 6010B	

Sample ID: H2-01-20211018 **Laboratory ID:** T213166-13

No Results Detected

Sample ID: H3-01-20211018 **Laboratory ID:** T213166-15

No Results Detected

Sample ID: I2-01-20211018 **Laboratory ID:** T213166-35

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	1.2	0.50		mg/l	STLC Waste Extraction T	

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Jeff Lee For Mike Jaroudi, Project Manager

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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Sample ID: I3-01-20211018 **Laboratory ID:** T213166-37

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	22	5.0		mg/l	STLC EPA 6010B	

Sample ID: J1-05-20211018 **Laboratory ID:** T213166-42

No Results Detected

Sample ID: J2-01-20211018 **Laboratory ID:** T213166-43

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	3.5	0.50		mg/l	STLC Waste Extraction I	

Sample ID: K1-01-20211018 **Laboratory ID:** T213166-45

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	8.2	0.50		mg/l	STLC Waste Extraction I	

SunStar Laboratories, Inc.



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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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G1-01-20211018
T213166-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	1.3	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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G2-03-20211018
T213166-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	5.7	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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G3-03-20211018
T213166-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Chromium	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311/6010/7 000	
Copper	ND	0.10	"	"	"	"	"	"	
Lead	ND	0.10	"	"	"	"	"	"	
Nickel	0.11	0.10	"	"	"	"	"	"	

STLC Metals by 6000/7000 Series Methods

Chromium	ND	5.0	mg/l	1	1102901	10/29/21	11/02/21	STLC EPA 6010B	
Copper	ND	5.0	"	"	"	"	"	"	
Lead	5.3	5.0	"	"	"	"	"	"	
Nickel	ND	5.0	"	"	"	"	"	"	

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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H2-01-20211018
T213166-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Chromium	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311/6010/7 000	
Lead	ND	0.10	"	"	"	"	"	"	
Nickel	ND	0.10	"	"	"	"	"	"	

STLC Metals by 6000/7000 Series Methods

Chromium	ND	5.0	mg/l	1	1102901	10/29/21	11/02/21	STLC EPA 6010B	
Lead	ND	5.0	"	"	"	"	"	"	
Nickel	ND	5.0	"	"	"	"	"	"	

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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H3-01-20211018
T213166-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Chromium	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311/6010/7 000	
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STLC Metals by 6000/7000 Series Methods

Chromium	ND	5.0	mg/l	1	1102901	10/29/21	11/02/21	STLC EPA 6010B	
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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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I2-01-20211018
T213166-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	1.2	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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I3-01-20211018
T213166-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Chromium	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311/6010/7 000	
Lead	ND	0.10	"	"	"	"	"	"	

STLC Metals by 6000/7000 Series Methods

Chromium	ND	5.0	mg/l	1	1102901	10/29/21	11/02/21	STLC EPA 6010B	
Lead	22	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
---	---	------------------------------------

J1-05-20211018
T213166-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	ND	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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J2-01-20211018
T213166-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	3.5	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
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SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
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 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
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K1-01-20211018
T213166-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TCLP Metals by 6000/7000 Series Methods

Lead	ND	0.10	mg/l	1	1110133	11/01/21	11/03/21	EPA 1311	
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STLC Metals by 6000/7000 Series Methods

Lead	8.2	0.50	mg/l	1	1102901	10/29/21	11/02/21	STLC Waste Extraction Test	
------	-----	------	------	---	---------	----------	----------	----------------------------	--

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
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 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
---	---	-----------------------------

TCLP Metals by 6000/7000 Series Methods - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1110133 - TCLP Metals

Blank (1110133-BLK1)

Prepared: 11/01/21 Analyzed: 11/03/21

Antimony	ND	0.10	mg/l							
Arsenic	ND	0.10	"							
Barium	ND	0.10	"							
Beryllium	ND	0.10	"							
Cadmium	ND	0.10	"							
Chromium	ND	0.10	"							
Cobalt	ND	0.10	"							
Copper	ND	0.10	"							
Lead	ND	0.10	"							
Lead	ND	0.10	"							
Molybdenum	ND	0.10	"							
Nickel	ND	0.10	"							
Selenium	ND	0.10	"							
Silver	ND	0.10	"							
Thallium	ND	0.10	"							
Vanadium	ND	0.10	"							
Zinc	ND	0.10	"							

LCS (1110133-BS1)

Prepared: 11/01/21 Analyzed: 11/03/21

Arsenic	0.587	0.10	mg/l	0.500		117	75-125			
Barium	0.515	0.10	"	0.500		103	75-125			
Cadmium	0.548	0.10	"	0.500		110	75-125			
Chromium	0.515	0.10	"	0.500		103	75-125			
Lead	0.512	0.10	"	0.500		102	75-125			
Lead	0.512	0.10	"	0.500		102	75-125			

Matrix Spike (1110133-MS1)

Source: T213165-08

Prepared: 11/01/21 Analyzed: 11/03/21

Arsenic	0.567	0.10	mg/l	0.500	ND	113	75-125			
Barium	1.15	0.10	"	0.500	0.649	101	75-125			
Cadmium	0.506	0.10	"	0.500	0.00135	101	75-125			
Chromium	0.490	0.10	"	0.500	0.00359	97.3	75-125			
Lead	0.480	0.10	"	0.500	0.00119	95.8	75-125			
Lead	0.480	0.10	"	0.500	0.00119	95.8	75-125			

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation
 1311 Calle Batido, Suite 260
 San Clemente CA, 92673

Project: HMC Arrowhead
 Project Number: [none]
 Project Manager: Melissa Robinson

Reported:
 11/03/21 17:11

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1102901 - STLC Metals

Blank (1102901-BLK1)

Prepared: 10/29/21 Analyzed: 11/02/21

Lead	ND	0.50	mg/l							
Antimony	ND	5.0	"							
Arsenic	ND	5.0	"							
Barium	ND	5.0	"							
Beryllium	ND	5.0	"							
Cadmium	ND	5.0	"							
Chromium	ND	5.0	"							
Cobalt	ND	5.0	"							
Copper	ND	5.0	"							
Lead	ND	5.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	5.0	"							
Selenium	ND	5.0	"							
Silver	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	5.0	"							

LCS (1102901-BS1)

Prepared: 10/29/21 Analyzed: 11/02/21

Lead	9.57	0.50	mg/l	10.0		95.7	75-125
Arsenic	10.8	5.0	"	10.0		108	75-125
Barium	10.2	5.0	"	10.0		102	75-125
Cadmium	10.6	5.0	"	10.0		106	75-125
Chromium	10.2	5.0	"	10.0		102	75-125
Lead	9.57	5.0	"	10.0		95.7	75-125

Matrix Spike (1102901-MS1)

Source: T213165-08

Prepared: 10/29/21 Analyzed: 11/02/21

Lead	9.70	0.50	mg/l	10.0	0.703	90.0	75-125
Arsenic	10.4	5.0	"	10.0	ND	104	75-125
Barium	13.4	5.0	"	10.0	3.75	96.7	75-125
Cadmium	9.95	5.0	"	10.0	ND	99.5	75-125
Chromium	9.86	5.0	"	10.0	ND	98.6	75-125
Lead	9.70	5.0	"	10.0	0.703	90.0	75-125

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

Equipoise Corporation 1311 Calle Batido, Suite 260 San Clemente CA, 92673	Project: HMC Arrowhead Project Number: [none] Project Manager: Melissa Robinson	Reported: 11/03/21 17:11
---	---	-----------------------------

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1102901 - STLC Metals

Matrix Spike Dup (1102901-MSD1)	Source: T213165-08			Prepared: 10/29/21 Analyzed: 11/02/21						
Lead	10.0	0.50	mg/l	10.0	0.703	93.0	75-125	3.11	30	
Arsenic	10.5	5.0	"	10.0	ND	105	75-125	1.00	30	
Barium	13.8	5.0	"	10.0	3.75	101	75-125	2.86	30	
Cadmium	10.3	5.0	"	10.0	ND	103	75-125	3.78	30	
Chromium	10.2	5.0	"	10.0	ND	102	75-125	3.77	30	
Lead	10.0	5.0	"	10.0	0.703	93.0	75-125	3.11	30	

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager



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Equipoise Corporation

1311 Calle Batido, Suite 260

San Clemente CA, 92673

Project: HMC Arrowhead

Project Number: [none]

Project Manager: Melissa Robinson

Reported:

11/03/21 17:11

Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

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Jeff Lee For Mike Jaroudi, Project Manager

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Balido, San Clemente

Phone: (909) 615 - 0005

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/18/12
 Project Name: HMC Arrowhead
 Collector: _____
 Batch #: T213166

Page: 5 Of 8
 Client Project #: _____
 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	8270 PAHs	8082 PCBs	8015 (modified) Petroleum hydrocarbons	6010B Metals	Laboratory ID #	Comments/Preservative	Total # of containers
F2-01-202110 18	10/18/12	1328	SOIL	SCREEN	X	X	X	X	X	1		
F2-05-202110 18	10/18/12	1340	SOIL		X	X	X	X	X	2		
F3-01-202110 18	10/18/12	1317	SOIL		X	X	X	X	X	3		
F3-03-202110 18	10/18/12	1318	SOIL		X	X	X	X	X	4		
G1-01-202110 18	10/18/12	1204	SOIL		X	X	X	X	X	5		
G1-05-202110 18	10/18/12	1206	SOIL		X	X	X	X	X	6		
G2-01-202110 18	10/18/12	1218	SOIL		X	X	X	X	X	7		
G2-03-202110 18	10/18/12	1219	SOIL		X	X	X	X	X	8		
G3-01-202110 18	10/18/12	1253	SOIL		X	X	X	X	X	9		
G3-03-202110 18	10/18/12	1254	SOIL		X	X	X	X	X	10		
H1-01-202110 18	10/18/12	0861	SOIL		X	X	X	X	X	11		
H1-05-202110 18	10/18/12	0892	SOIL		X	X	X	X	X	12		
H2-01-202110 18	10/18/12	1103	SOIL		X	X	X	X	X	13		
H2-05-202110 18	10/18/12	1105	SOIL		X	X	X	X	X	14		
H3-01-202110 18	10/18/12	1044	SOIL		X	X	X	X	X	15		
H3-03-202110 18	10/18/12	1045	SOIL		X	X	X	X	X	16		

Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Total # of containers _____ Notes _____

Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Seals intact? Y/N/NA _____ Received good condition/cold _____

Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Turn around time: Standard

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 1311 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Fax: _____

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12

Page: 6 of 8

Project Name: HMC Arrowhead

Collector: _____

Client Project #: _____

Batch #: T23166

EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	Hold	Laboratory ID #	Comments/Preservative	Total # of containers						
F2-03-202110 18	10/18/12	13:59	SOIL	STEVIE	X	17								
F2-10-202110 18	10/18/12	15:41	SOIL		X	18								
F3-05-202110 18	10/18/12	13:19	SOIL		X	19								
F3-10-202110 18	10/18/12	13:20	SOIL		X	20								
G1-10-202110 18	10/18/12	12:07	SOIL		X	21								
G1-03-202110 18	10/18/12	12:05	SOIL		X	22								
G2-10-202110 18	10/18/12	12:21	SOIL		X	23								
G2-04-202110 18	10/18/12	12:22	SOIL		X	24								
G3-01-202110 18	10/18/12	12:55	SOIL		X	25								
G3-02-202110 18	10/18/12	12:56	SOIL		X	26								
H1-05-202110 18	10/18/12	09:53	SOIL		X	27								
H1-10-202110 18	10/18/12	09:54	SOIL		X	28								
H2-03-202110 18	10/18/12	11:04	SOIL		X	29								
H2-10-202110 18	10/18/12	11:06	SOIL		X	30								
H3-05-202110 18	10/18/12	10:46	SOIL		X	31								
H3-10-202110 18	10/18/12	10:47	SOIL		X	32								
Relinquished by: (signature) <u>Kathryn McFadden</u>					Date / Time	10/19/12	13:42	Received by: (signature) <u>[Signature]</u>	Date / Time	10-19-21	1342	Chain of Custody seals <u>Y/N/A</u>	Seals intact? <u>Y/N/A</u>	Received good condition/cold <u>2-82</u>
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time					
Relinquished by: (signature)					Date / Time			Received by: (signature)	Date / Time					
Sample disposal instructions: Disposal @ \$2.00 each					Return to client	Pickup	Turn around time: <u>Standard</u>							

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp
 Address: 1311 Calle Batido, San Clemente
 Phone: (909) 615 - 0005
 Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/21 Page: 7 of 8
 Project Name: HMC Arrowhead
 Collector: TP-1366 Client Project #: _____
 Batch #: TP-1366 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 VOCs	6010B Metals	8015 (modified) Petroleum hydrocarbons	8082 PCBs	8270 PAHs	Laboratory ID #	Comments/Preservative	Total # of containers
11-01-20211018	10/18/21	1606	SOIL	Sealok	X	X	X	X	X	33		
11-05-20211018	10/18/21	1008	SOIL		X	X	X	X	X	34		
12-01-20211018	10/18/21	1027	SOIL		X	X	X	X	X	35		
12-03-20211018	10/18/21	1628	SOIL		X	X	X	X	X	36		
13-01-20211018	10/18/21	0924	SOIL		X	X	X	X	X	37		
13-03-20211018	10/19/21	0425	SOIL		X	X	X	X	X	38		
14-01-20211018	10/18/21	0306	SOIL		X	X	X	X	X	39		
14-05-20211018	10/18/21	0309	SOIL		X	X	X	X	X	40		
11-01-20211018	10/18/21	0849	SOIL		X	X	X	X	X	41		
11-05-20211018	10/18/21	0951	SOIL		X	X	X	X	X	42		
12-01-20211018	10/18/21	0554	SOIL		X	X	X	X	X	43		
12-03-20211018	10/18/21	0555	SOIL		X	X	X	X	X	44		
11-01-20211018	10/18/21	0805	SOIL		X	X	X	X	X	45		
11-05-20211018	10/18/21	0809	SOIL		X	X	X	X	X	46		
12-01-20211018	10/18/21	0809	SOIL		X	X	X	X	X			
12-03-20211018	10/18/21	0809	SOIL		X	X	X	X	X			
Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____												
Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____												

Chain of Custody Record

SunStar Laboratories, Inc.
 25712 Commercentre Dr
 Lake Forest, CA 92630
 949-297-5020

Client: Equipoise Corp

Address: 13111 Calle Batido, San Clemente

Phone: (909) 615 - 0005

Fax:

Project Manager: Melissa Robinson melissa.robinson@equipoisecorp.com

Date: 10/19/12

Page: 8 of 8

Project Name: HMC Arrowhead

Collector:

Batch #: T213166

EDF #:

Client Project #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	Pol	Laboratory ID #	Comments/Preservative	Total # of containers
14-03-202110 18	10/18/12	1007	SOIL	Ziploc	X	47		
14-03-202110 18	10/18/12	1009	SOIL		X	48		
12-05-202110 18	10/18/12	1028	SOIL		X	49		
12-10-202110 18	10/18/12	1050	SOIL		X	50		
13-05-202110 18	10/18/12	0926	SOIL		X	51		
13-10-202110 18	10/18/12	0927	SOIL		X	52		
14-03-202110 18	10/18/12	0851	SOIL		X	53		
14-10-202110 18	10/18/12	0852	SOIL		X	54		
J1-03-202110 18	10/18/12	0853	SOIL		X	55		
J1-03-202110 18	10/18/12	0854	SOIL		X	56		
J2-03-202110 18	10/18/12	0837	SOIL		X	57		
J2-10-202110 18	10/18/12	0838	SOIL		X	58		
K1-10-202110 18	10/18/12	08010	SOIL		X	59		
K1-03-202110 18	10/18/12	0808	SOIL		X	60		
-202110			SOIL		X			
-202110			SOIL		X			

Relinquished by: (signature) *Kathryn McFadden* Date / Time 10/19/12 1342 Received by: (signature) *[Signature]* Date / Time 10-19-21 1342

Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____

Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____

Sample disposal instructions: Disposal @ \$2.00 each Return to client _____ Pickup _____

Chain of Custody seals Y/N/A
 Seals intact? Y/N/A
 Received good condition/cold
 Turn around time: *Standard*

Total # of containers: _____

Notes: _____

Joann Marroquin

From: Melissa Robinson <melissa.robinson@equipoisecorp.com>
Sent: Thursday, October 28, 2021 4:29 PM
To: Joann Marroquin
Cc: Cathy Hartman
Subject: Re: Final Report and Invoices for HMC Arrowhead (T213165 and T213166)

Hello Joan,

Based on the concentrations present in these lab reports, we have 15 soil samples that need to be reanalyzed for STL/TCLP metals solubility (for hazardous waste characterization) on a rushed TAT (3-days if possible).

The following list calls out the samples/metals in question.

- C3-1 has Lead at 82 ppm
- E3-1 has Lead at 66 ppm
- F1-1 has Lead at 250 ppm
- G1-1 has Lead at 50 ppm
- H2-1 has Lead at 110 ppm, Chromium at 230 ppm, and Nickel at 290 ppm
- H3-1 has Chromium at 51 ppm
- I2-1 has Lead at 540 ppm
- I3-1 has Lead at 580 ppm and Chromium at 170 ppm
- J1-1 has Lead at 670 ppm
- J2-1 has Lead at 57 ppm
- K1-1 has Lead at 61 ppm

- B1-3 has Chromium at 170 ppm
- B3-3 has Chromium at 110 ppm
- G2-3 has Lead at 51 ppm, and
- G3-3 has Chromium at 2100ppm, Copper at 760 ppm, Lead at 730 ppm, and Nickel at 1400 ppm.

Please let me know if you have any questions.

-Melissa

Sent from my iPhone

On Oct 27, 2021, at 4:33 PM, Joann Marroquin <joann@sunstarlabs.com> wrote:

Please find attached the final report and invoices for:

Project Name: **HMC Arrowhead**

Project Number: -

Thank you for your business! We appreciate you choosing SunStar!

<image001.png>

<T213165f HMC Arrowhead.pdf>

<T213166f HMC Arrowhead.pdf>

<T213166 FINAL EXCEL 27 Oct 21 1624.xls>

<T213165 FINAL EXCEL 27 Oct 21 1547.xls>

<SSL21-3166.pdf>

<SSL21-3165.pdf>

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T213166
 Client Name: Equipose Corp Project: HMC Arrowhead
 Delivered by: Client SunStar Courier GLS FedEx UPS
 If Courier, Received by: _____ Date/Time Courier Received: _____
 Lab Received by: Dave Date/Time Lab Received: 10-19-21 1342
 Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due : 8/24/22

Temperature: Cooler #1	2.7	°C +/- the CF (+0.1 °C) =	2.8	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
If NO:				
Samples received on ice?		<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet	
If on ice, samples received same day collected?		<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet	

- Custody seals intact on cooler/sample Yes No* N/A
- Sample containers intact Yes No*
- Sample labels match Chain of Custody IDs Yes No*
- Total number of containers received match COC Yes No*
- Proper containers received for analyses requested on COC Yes No*
- Proper preservative indicated on COC/containers for analyses requested Yes No* N/A
- Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: AS 10-19-21

Comments:

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
 Melissa Robinson
 1311 Calle Batido, Suite 260
 San Clemente, CA 92673

Date Due: 10/26/21 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 10/19/21 13:42

Logged In By: Jennifer Berger

Date Logged In: 10/19/21 17:09

Samples Received at: **2.8°C**
 Custody Seals No Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confirmed No

Analysis	Due	TAT	Expires	Comments
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T213166-01 F2-01-20211018 [Soil] Sampled 10/18/21 13:38 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/16/22 13:38	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:38	
8082 PCB	10/26/21 15:00	5	11/01/21 13:38	
8260	10/26/21 15:00	5	11/01/21 13:38	
8270C PAH	10/26/21 15:00	5	11/01/21 13:38	

T213166-02 F2-05-20211018 [Soil] Sampled 10/18/21 13:40 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/16/22 13:40	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:40	
8260	10/26/21 15:00	5	11/01/21 13:40	

T213166-03 F3-01-20211018 [Soil] Sampled 10/18/21 13:17 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	04/16/22 13:17	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:17	
8082 PCB	10/26/21 15:00	5	11/01/21 13:17	
8260	10/26/21 15:00	5	11/01/21 13:17	
8270C PAH	10/26/21 15:00	5	11/01/21 13:17	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-04 F3-03-20211018 [Soil] Sampled 10/18/21 13:18 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 13:18	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:18	
8260	10/26/21 15:00	5	11/01/21 13:18	
T213166-05 G1-01-20211018 [Soil] Sampled 10/18/21 12:04 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:04	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:04	
8082 PCB	10/26/21 15:00	5	11/01/21 12:04	
8260	10/26/21 15:00	5	11/01/21 12:04	
8270C PAH	10/26/21 15:00	5	11/01/21 12:04	
T213166-06 G1-05-20211018 [Soil] Sampled 10/18/21 12:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:06	
8260	10/26/21 15:00	5	11/01/21 12:06	
T213166-07 G2-01-20211018 [Soil] Sampled 10/18/21 12:18 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:18	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:18	
8082 PCB	10/26/21 15:00	5	11/01/21 12:18	
8260	10/26/21 15:00	5	11/01/21 12:18	
8270C PAH	10/26/21 15:00	5	11/01/21 12:18	
T213166-08 G2-03-20211018 [Soil] Sampled 10/18/21 12:19 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:19	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:19	
8260	10/26/21 15:00	5	11/01/21 12:19	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-09 G3-01-20211018 [Soil] Sampled 10/18/21 12:53 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:53	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:53	
8082 PCB	10/26/21 15:00	5	11/01/21 12:53	
8260	10/26/21 15:00	5	11/01/21 12:53	
8270C PAH	10/26/21 15:00	5	11/01/21 12:53	
T213166-10 G3-03-20211018 [Soil] Sampled 10/18/21 12:54 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 12:54	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:54	
8260	10/26/21 15:00	5	11/01/21 12:54	
T213166-11 H1-01-20211018 [Soil] Sampled 10/18/21 09:51 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:51	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:51	
8082 PCB	10/26/21 15:00	5	11/01/21 09:51	
8260	10/26/21 15:00	5	11/01/21 09:51	
8270C PAH	10/26/21 15:00	5	11/01/21 09:51	
T213166-12 H1-03-20211018 [Soil] Sampled 10/18/21 09:52 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:52	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:52	
8260	10/26/21 15:00	5	11/01/21 09:52	
T213166-13 H2-01-20211018 [Soil] Sampled 10/18/21 11:03 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 11:03	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 11:03	
8082 PCB	10/26/21 15:00	5	11/01/21 11:03	
8260	10/26/21 15:00	5	11/01/21 11:03	
8270C PAH	10/26/21 15:00	5	11/01/21 11:03	

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-14 H2-05-20211018 [Soil] Sampled 10/18/21 11:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 11:05	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 11:05	
8260	10/26/21 15:00	5	11/01/21 11:05	
T213166-15 H3-01-20211018 [Soil] Sampled 10/18/21 10:44 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:44	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:44	
8082 PCB	10/26/21 15:00	5	11/01/21 10:44	
8260	10/26/21 15:00	5	11/01/21 10:44	
8270C PAH	10/26/21 15:00	5	11/01/21 10:44	
T213166-16 H3-03-20211018 [Soil] Sampled 10/18/21 10:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:45	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:45	
8260	10/26/21 15:00	5	11/01/21 10:45	
T213166-17 F2-03-20211018 [Soil] Sampled 10/18/21 13:39 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-18 F2-10-20211018 [Soil] Sampled 10/18/21 13:41 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-19 F3-05-20211018 [Soil] Sampled 10/18/21 13:19 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-20 F3-10-20211018 [Soil] Sampled 10/18/21 13:20 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-21 G1-10-20211018 [Soil] Sampled 10/18/21 12:07 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-22 G1-03-20211018 [Soil] Sampled 10/18/21 12:05 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-23 G2-10-20211018 [Soil] Sampled 10/18/21 12:21 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-24 G2-05-20211018 [Soil] Sampled 10/18/21 12:20 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-25 G3-05-20211018 [Soil] Sampled 10/18/21 12:55 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-26 G3-10-20211018 [Soil] Sampled 10/18/21 12:56 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-27 H1-05-20211018 [Soil] Sampled 10/18/21 09:53 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-28 H1-10-20211018 [Soil] Sampled 10/18/21 09:54 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-29 H2-03-20211018 [Soil] Sampled 10/18/21 11:04 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-30 H2-10-20211018 [Soil] Sampled 10/18/21 11:06 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-31 H3-05-20211018 [Soil] Sampled 10/18/21 10:46 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-32 H3-10-20211018 [Soil] Sampled 10/18/21 10:47 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-33 I1-01-20211018 [Soil] Sampled 10/18/21 10:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:06	
8082 PCB	10/26/21 15:00	5	11/01/21 10:06	
8260	10/26/21 15:00	5	11/01/21 10:06	
8270C PAH	10/26/21 15:00	5	11/01/21 10:06	
T213166-34 I1-05-20211018 [Soil] Sampled 10/18/21 10:08 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:08	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:08	
8260	10/26/21 15:00	5	11/01/21 10:08	
T213166-35 I2-01-20211018 [Soil] Sampled 10/18/21 10:27 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:27	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:27	
8082 PCB	10/26/21 15:00	5	11/01/21 10:27	
8260	10/26/21 15:00	5	11/01/21 10:27	
8270C PAH	10/26/21 15:00	5	11/01/21 10:27	
T213166-36 I2-03-20211018 [Soil] Sampled 10/18/21 10:28 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 10:28	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:28	
8260	10/26/21 15:00	5	11/01/21 10:28	
T213166-37 I3-01-20211018 [Soil] Sampled 10/18/21 09:24 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:24	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:24	
8082 PCB	10/26/21 15:00	5	11/01/21 09:24	
8260	10/26/21 15:00	5	11/01/21 09:24	
8270C PAH	10/26/21 15:00	5	11/01/21 09:24	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-38 I3-03-20211018 [Soil] Sampled 10/18/21 09:25 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:25	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:25	
8260	10/26/21 15:00	5	11/01/21 09:25	
T213166-39 I4-01-20211018 [Soil] Sampled 10/18/21 09:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:06	
8082 PCB	10/26/21 15:00	5	11/01/21 09:06	
8260	10/26/21 15:00	5	11/01/21 09:06	
8270C PAH	10/26/21 15:00	5	11/01/21 09:06	
T213166-40 I4-05-20211018 [Soil] Sampled 10/18/21 09:09 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 09:09	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:09	
8260	10/26/21 15:00	5	11/01/21 09:09	
T213166-41 J1-01-20211018 [Soil] Sampled 10/18/21 08:49 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:49	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:49	
8082 PCB	10/26/21 15:00	5	11/01/21 08:49	
8260	10/26/21 15:00	5	11/01/21 08:49	
8270C PAH	10/26/21 15:00	5	11/01/21 08:49	
T213166-42 J1-05-20211018 [Soil] Sampled 10/18/21 08:51 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:51	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:51	
8260	10/26/21 15:00	5	11/01/21 08:51	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-43 J2-01-20211018 [Soil] Sampled 10/18/21 08:34 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:34	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:34	
8082 PCB	10/26/21 15:00	5	11/01/21 08:34	
8260	10/26/21 15:00	5	11/01/21 08:34	
8270C PAH	10/26/21 15:00	5	11/01/21 08:34	
T213166-44 J2-03-20211018 [Soil] Sampled 10/18/21 08:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:35	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:35	
8260	10/26/21 15:00	5	11/01/21 08:35	
T213166-45 K1-01-20211018 [Soil] Sampled 10/18/21 08:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:05	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:05	
8082 PCB	10/26/21 15:00	5	11/01/21 08:05	
8260	10/26/21 15:00	5	11/01/21 08:05	
8270C PAH	10/26/21 15:00	5	11/01/21 08:05	
T213166-46 K1-05-20211018 [Soil] Sampled 10/18/21 08:09 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	04/16/22 08:09	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:09	
8260	10/26/21 15:00	5	11/01/21 08:09	
T213166-47 I1-03-20211018 [Soil] Sampled 10/18/21 10:07 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-48 I1-10-20211018 [Soil] Sampled 10/18/21 10:09 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD
T213166-49 I2-05-20211018 [Soil] Sampled 10/18/21 10:29 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-50 I2-10-20211018 [Soil] Sampled 10/18/21 10:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-51 I3-05-20211018 [Soil] Sampled 10/18/21 09:26 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-52 I3-10-20211018 [Soil] Sampled 10/18/21 09:27 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-53 I4-03-20211018 [Soil] Sampled 10/18/21 09:02 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-54 I4-10-20211018 [Soil] Sampled 10/18/21 09:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-55 J1-10-20211018 [Soil] Sampled 10/18/21 08:52 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-56 J1-03-20211018 [Soil] Sampled 10/18/21 08:50 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-57 J2-05-20211018 [Soil] Sampled 10/18/21 08:37 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-58 J2-10-20211018 [Soil] Sampled 10/18/21 08:38 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-59 K1-10-20211018 [Soil] Sampled 10/18/21 08:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-60 K1-03-20211018 [Soil] Sampled 10/18/21 08:08 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22

7470/71 Hg

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Report To:

Equipoise Corporation
 Melissa Robinson
 1311 Calle Batido, Suite 260
 San Clemente, CA 92673

Date Due: 11/03/21 15:00 (11 day TAT)

Received By: Dave Berner

Date Received: 10/19/21 13:42

Logged In By: Jennifer Berger

Date Logged In: 10/19/21 17:09

Samples Received at: 2.8°C
 Custody Seals No Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confirmed No

Analysis	Due	TAT	Expires	Comments
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T213166-01 F2-01-20211018 [Soil] Sampled 10/18/21 13:38 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	10/23/21 13:38	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:38	
8082 PCB	10/26/21 15:00	5	11/01/21 13:38	
8260	10/26/21 15:00	5	11/01/21 13:38	
8270C PAH	10/26/21 15:00	5	11/01/21 13:38	

T213166-02 F2-05-20211018 [Soil] Sampled 10/18/21 13:40 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	10/23/21 13:40	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:40	
8260	10/26/21 15:00	5	11/01/21 13:40	

T213166-03 F3-01-20211018 [Soil] Sampled 10/18/21 13:17 (GMT-08:00) Pacific Time (US &

6010 Title 22	10/26/21 15:00	5	10/23/21 13:17	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:17	
8082 PCB	10/26/21 15:00	5	11/01/21 13:17	
8260	10/26/21 15:00	5	11/01/21 13:17	
8270C PAH	10/26/21 15:00	5	11/01/21 13:17	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-04 F3-03-20211018 [Soil] Sampled 10/18/21 13:18 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 13:18	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 13:18	
8260	10/26/21 15:00	5	11/01/21 13:18	
T213166-05 G1-01-20211018 [Soil] Sampled 10/18/21 12:04 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 12:04	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:04	
8082 PCB	10/26/21 15:00	5	11/01/21 12:04	
8260	10/26/21 15:00	5	11/01/21 12:04	
8270C PAH	10/26/21 15:00	5	11/01/21 12:04	
STLC Pb	11/03/21 15:00	5	04/16/22 12:04	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 12:04	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 12:04	
TCLP Pb	11/03/21 15:00	5	04/16/22 12:04	
T213166-06 G1-05-20211018 [Soil] Sampled 10/18/21 12:06 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 12:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:06	
8260	10/26/21 15:00	5	11/01/21 12:06	
T213166-07 G2-01-20211018 [Soil] Sampled 10/18/21 12:18 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 12:18	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:18	
8082 PCB	10/26/21 15:00	5	11/01/21 12:18	
8260	10/26/21 15:00	5	11/01/21 12:18	
8270C PAH	10/26/21 15:00	5	11/01/21 12:18	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-08 G2-03-20211018 [Soil] Sampled 10/18/21 12:19 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 12:19	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:19	
8260	10/26/21 15:00	5	11/01/21 12:19	
STLC Pb	11/03/21 15:00	5	04/16/22 12:19	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 12:19	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 12:19	
TCLP Pb	11/03/21 15:00	5	04/16/22 12:19	
T213166-09 G3-01-20211018 [Soil] Sampled 10/18/21 12:53 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 12:53	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:53	
8082 PCB	10/26/21 15:00	5	11/01/21 12:53	
8260	10/26/21 15:00	5	11/01/21 12:53	
8270C PAH	10/26/21 15:00	5	11/01/21 12:53	
T213166-10 G3-03-20211018 [Soil] Sampled 10/18/21 12:54 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 12:54	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 12:54	
8260	10/26/21 15:00	5	11/01/21 12:54	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 12:54	Cr.Cu.Pb. Ni Onlv
STLC Title 22 Metals	10/26/21 15:00	5	04/16/22 12:54	Cr.Cu.Pb. Ni Onlv
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 12:54	Cr.Cu.Pb. Ni Onlv
TCLP Title 22	10/26/21 15:00	5	04/16/22 12:54	Cr.Cu.Pb. Ni Onlv
T213166-11 H1-01-20211018 [Soil] Sampled 10/18/21 09:51 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 09:51	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:51	
8082 PCB	10/26/21 15:00	5	11/01/21 09:51	
8260	10/26/21 15:00	5	11/01/21 09:51	
8270C PAH	10/26/21 15:00	5	11/01/21 09:51	

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-12 H1-03-20211018 [Soil] Sampled 10/18/21 09:52 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 09:52	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:52	
8260	10/26/21 15:00	5	11/01/21 09:52	
T213166-13 H2-01-20211018 [Soil] Sampled 10/18/21 11:03 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 11:03	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 11:03	
8082 PCB	10/26/21 15:00	5	11/01/21 11:03	
8260	10/26/21 15:00	5	11/01/21 11:03	
8270C PAH	10/26/21 15:00	5	11/01/21 11:03	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 11:03	Pb.Cr.Ni Only
STLC Title 22 Metals	10/26/21 15:00	5	04/16/22 11:03	Pb.Cr.Ni Only
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 11:03	Pb.Cr.Ni Only
TCLP Title 22	10/26/21 15:00	5	04/16/22 11:03	Pb.Cr.Ni Only
T213166-14 H2-05-20211018 [Soil] Sampled 10/18/21 11:05 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 11:05	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 11:05	
8260	10/26/21 15:00	5	11/01/21 11:05	
T213166-15 H3-01-20211018 [Soil] Sampled 10/18/21 10:44 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 10:44	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:44	
8082 PCB	10/26/21 15:00	5	11/01/21 10:44	
8260	10/26/21 15:00	5	11/01/21 10:44	
8270C PAH	10/26/21 15:00	5	11/01/21 10:44	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 10:44	Cr Only
STLC Title 22 Metals	10/26/21 15:00	5	04/16/22 10:44	Cr Only
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 10:44	Cr Only
TCLP Title 22	10/26/21 15:00	5	04/16/22 10:44	Cr Only

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-16 H3-03-20211018 [Soil] Sampled 10/18/21 10:45 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 10:45	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:45	
8260	10/26/21 15:00	5	11/01/21 10:45	
T213166-17 F2-03-20211018 [Soil] Sampled 10/18/21 13:39 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-18 F2-10-20211018 [Soil] Sampled 10/18/21 13:41 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-19 F3-05-20211018 [Soil] Sampled 10/18/21 13:19 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-20 F3-10-20211018 [Soil] Sampled 10/18/21 13:20 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-21 G1-10-20211018 [Soil] Sampled 10/18/21 12:07 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-22 G1-03-20211018 [Soil] Sampled 10/18/21 12:05 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-23 G2-10-20211018 [Soil] Sampled 10/18/21 12:21 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-24 G2-05-20211018 [Soil] Sampled 10/18/21 12:20 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
T213166-25 G3-05-20211018 [Soil] Sampled 10/18/21 12:55 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-26 G3-10-20211018 [Soil] Sampled 10/18/21 12:56 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-27 H1-05-20211018 [Soil] Sampled 10/18/21 09:53 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-28 H1-10-20211018 [Soil] Sampled 10/18/21 09:54 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-29 H2-03-20211018 [Soil] Sampled 10/18/21 11:04 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-30 H2-10-20211018 [Soil] Sampled 10/18/21 11:06 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-31 H3-05-20211018 [Soil] Sampled 10/18/21 10:46 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-32 H3-10-20211018 [Soil] Sampled 10/18/21 10:47 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-33 I1-01-20211018 [Soil] Sampled 10/18/21 10:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 10:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:06	
8082 PCB	10/26/21 15:00	5	11/01/21 10:06	
8260	10/26/21 15:00	5	11/01/21 10:06	
8270C PAH	10/26/21 15:00	5	11/01/21 10:06	
T213166-34 I1-05-20211018 [Soil] Sampled 10/18/21 10:08 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 10:08	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:08	
8260	10/26/21 15:00	5	11/01/21 10:08	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-35 I2-01-20211018 [Soil] Sampled 10/18/21 10:27 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 10:27	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:27	
8082 PCB	10/26/21 15:00	5	11/01/21 10:27	
8260	10/26/21 15:00	5	11/01/21 10:27	
8270C PAH	10/26/21 15:00	5	11/01/21 10:27	
STLC Pb	11/03/21 15:00	5	04/16/22 10:27	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 10:27	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 10:27	
TCLP Pb	11/03/21 15:00	5	04/16/22 10:27	
T213166-36 I2-03-20211018 [Soil] Sampled 10/18/21 10:28 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 10:28	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 10:28	
8260	10/26/21 15:00	5	11/01/21 10:28	
T213166-37 I3-01-20211018 [Soil] Sampled 10/18/21 09:24 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 09:24	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:24	
8082 PCB	10/26/21 15:00	5	11/01/21 09:24	
8260	10/26/21 15:00	5	11/01/21 09:24	
8270C PAH	10/26/21 15:00	5	11/01/21 09:24	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 09:24	Cr.Pb Onlv
STLC Title 22 Metals	10/26/21 15:00	5	04/16/22 09:24	Cr.Pb Onlv
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 09:24	Cr.Pb Onlv
TCLP Title 22	10/26/21 15:00	5	04/16/22 09:24	Cr.Pb Onlv
T213166-38 I3-03-20211018 [Soil] Sampled 10/18/21 09:25 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 09:25	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:25	
8260	10/26/21 15:00	5	11/01/21 09:25	

WORK ORDER

T213166

Client: Equipoise Corporation

Project Manager: Mike Jaroudi

Project: HMC Arrowhead

Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-39 I4-01-20211018 [Soil] Sampled 10/18/21 09:06 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 09:06	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:06	
8082 PCB	10/26/21 15:00	5	11/01/21 09:06	
8260	10/26/21 15:00	5	11/01/21 09:06	
8270C PAH	10/26/21 15:00	5	11/01/21 09:06	
T213166-40 I4-05-20211018 [Soil] Sampled 10/18/21 09:09 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 09:09	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 09:09	
8260	10/26/21 15:00	5	11/01/21 09:09	
T213166-41 J1-01-20211018 [Soil] Sampled 10/18/21 08:49 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 08:49	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:49	
8082 PCB	10/26/21 15:00	5	11/01/21 08:49	
8260	10/26/21 15:00	5	11/01/21 08:49	
8270C PAH	10/26/21 15:00	5	11/01/21 08:49	
T213166-42 J1-05-20211018 [Soil] Sampled 10/18/21 08:51 (GMT-08:00) Pacific Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 08:51	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:51	
8260	10/26/21 15:00	5	11/01/21 08:51	
STLC Pb	11/03/21 15:00	5	04/16/22 08:51	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 08:51	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 08:51	
TCLP Pb	11/03/21 15:00	5	04/16/22 08:51	

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-43 J2-01-20211018 [Soil] Sampled 10/18/21 08:34 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 08:34	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:34	
8082 PCB	10/26/21 15:00	5	11/01/21 08:34	
8260	10/26/21 15:00	5	11/01/21 08:34	
8270C PAH	10/26/21 15:00	5	11/01/21 08:34	
STLC Pb	11/03/21 15:00	5	04/16/22 08:34	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 08:34	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 08:34	
TCLP Pb	11/03/21 15:00	5	04/16/22 08:34	
T213166-44 J2-03-20211018 [Soil] Sampled 10/18/21 08:35 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 08:35	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:35	
8260	10/26/21 15:00	5	11/01/21 08:35	
T213166-45 K1-01-20211018 [Soil] Sampled 10/18/21 08:05 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 08:05	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:05	
8082 PCB	10/26/21 15:00	5	11/01/21 08:05	
8260	10/26/21 15:00	5	11/01/21 08:05	
8270C PAH	10/26/21 15:00	5	11/01/21 08:05	
STLC Pb	11/03/21 15:00	5	04/16/22 08:05	
STLC Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 08:05	
TCLP Leaching Procedure Metals	11/03/21 15:00	5	04/16/22 08:05	
TCLP Pb	11/03/21 15:00	5	04/16/22 08:05	
T213166-46 K1-05-20211018 [Soil] Sampled 10/18/21 08:09 (GMT-08:00) Pacific				
Time (US &				
6010 Title 22	10/26/21 15:00	5	10/23/21 08:09	
8015 Carbon Chain	10/26/21 15:00	5	11/01/21 08:09	
8260	10/26/21 15:00	5	11/01/21 08:09	
T213166-47 I1-03-20211018 [Soil] Sampled 10/18/21 10:07 (GMT-08:00) Pacific				
Time (US &				
[NO ANALYSES]				
				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-48 I1-10-20211018 [Soil] Sampled 10/18/21 10:09 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-49 I2-05-20211018 [Soil] Sampled 10/18/21 10:29 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-50 I2-10-20211018 [Soil] Sampled 10/18/21 10:30 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-51 I3-05-20211018 [Soil] Sampled 10/18/21 09:26 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-52 I3-10-20211018 [Soil] Sampled 10/18/21 09:27 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-53 I4-03-20211018 [Soil] Sampled 10/18/21 09:02 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-54 I4-10-20211018 [Soil] Sampled 10/18/21 09:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-55 J1-10-20211018 [Soil] Sampled 10/18/21 08:52 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-56 J1-03-20211018 [Soil] Sampled 10/18/21 08:50 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-57 J2-05-20211018 [Soil] Sampled 10/18/21 08:37 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-58 J2-10-20211018 [Soil] Sampled 10/18/21 08:38 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

WORK ORDER

T213166

Client: Equipoise Corporation	Project Manager: Mike Jaroudi
Project: HMC Arrowhead	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T213166-59 K1-10-20211018 [Soil] Sampled 10/18/21 08:10 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD
T213166-60 K1-03-20211018 [Soil] Sampled 10/18/21 08:08 (GMT-08:00) Pacific Time (US & [NO ANALYSES]				HOLD

Analysis groups included in this work order	
<i>6010 Title 22</i>	
subgroup 6010B T22	7470/71 Hg
<i>STLC Title 22 Metals</i>	
sub STLC T22 Metals	sub STLC Hg CV
<i>TCLP Title 22</i>	
sub TCLP Title 22 Metals	sub TCLP Hg CV

Reviewed By _____

Date _____