RECEIVED By PSTB at 4:44 pm, Apr 16, 2020



EA Engineering, Science, and Technology, Inc., PBC 320 Gold Avenue SW, Suite 1300 Albuquerque, NM 87102 Phone: 505-224-9013

April 16, 2020

Ms. Susan von Gonten New Mexico Environment Department Petroleum Storage Tank Bureau 2905 Rodeo Park Drive East, Building 1 Santa Fe, New Mexico 87505

RE: BENZENE PLUME DELINEATION, CONTINGENCY SET-ASIDE FOR SOIL BORINGS, AND INJECTION TARGET DEPTH DETERMINATION SANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO CONTRACT #19-667-3200-0007 FACILITY #: 53763 RELEASE ID #: 4597 WPID #: 4072

Dear Ms. Von Gonten:

EA Engineering, Science, and Technology, Inc., PBC (EA) is submitting this letter report documenting completion of field activities associated with benzene plume delineation (Deliverable ID 4072-4), contingency set-aside for soil borings (Deliverable ID 4072-5), and injection target depth determination (Deliverable ID 4072-13) for the Santa Fe County Judicial Complex (SFCJC) State Lead Site (the site) located at 327 Montezuma Avenue in Santa Fe, New Mexico (Figure 1). Field notes documenting activities completed for the above tasks are included in Attachment 1; photographic documentation of project activities is included in Attachment 2. Details and results of each of the three tasks are discussed below.

Benzene Plume Delineation

On March 11 and 12, 2020, EA and Cascade Technical Services (Cascade) of Denver, Colorado completed benzene plume delineation east of the former Capital 66. The purpose of the delineation was to finalize the injection design for the Capitol 66 plume. Historically, concentrations of dissolved-phase contaminants of concern (COCs) in the area have been low, except for benzene in well CMW-1, the extent of which has not been sufficiently defined to the northeast, east, or southeast of CMW-1 during previous investigations.

A track-mounted, Geoprobe[®] 8040DT was used to advance 2.25-inch drive rod to approximately five feet below the water table at eight locations, designated SB-C66-01 through SB-C66-08 (Figure 2). In each of the soil borings, a 1.5-inch, Schedule 40 (SCH 40) polyvinyl-chloride (PVC) casing, with a 5-foot 0.010-inch-slot screen section, was temporarily installed in the soil boring to collect a grab groundwater sample for laboratory analysis. Groundwater samples were collected in each boring through ¼-inch poly tubing fitted with an inertial valve at the bottom. New tubing and inertial valves were used to collect samples from each boring. The groundwater was filtered with a 0.45-micron filter prior to being placed into laboratory-provided sample containers. The samples were collected so that no headspace was present in the sample vials.

The samples were placed on ice in an insulated cooler and submitted to Hall Environmental Analysis Laboratory (HEAL) under chain-of-custody for analysis. The samples were analyzed for volatile organic compounds (VOCs) and ethylene dibromide (EDB) in accordance with U.S. Environmental Protection Agency (EPA) Methods 8260B and 504.1, respectively. A summary of sample containers, preservatives, analytical methods, and holding times are provided in Table 1. The analytical laboratory report for the groundwater samples is included in Attachment 3.

Upon completion of groundwater sampling, the PVC casing was removed from each boring and the borings plugged and abandoned in accordance with the approved New Mexico Office of State Engineer (OSE) Plugging Plan of Operations. The borings were backfilled with hydrated bentonite chips to within one foot of the surface and then finished with a concrete cap or asphalt to match the existing surface.

The results of the benzene plume delineation are summarized in Table 2. Benzene concentrations in the eight samples were all below the laboratory reporting limit, as were all other COCs, with the exception of xylenes in the SB-C66-06 sample, which was detected at a concentration of 3.2 micrograms per liter (μ g/L).

Injection Target Depth Determination

From March 13 through 16, 2020, EA and Cascade completed injection target depth determination drilling activities in the Capital 66, De Vargas, and SFCJC plume areas. The locations of the injection target depth (ITD) borings are shown on Figure 2. The purpose of this task was to confirm that an injection target depth of 45 feet below ground surface (ft bgs) in each of the plume areas was achievable using the Geoprobe® 8040DT drilling rig equipped with the same rod diameter that will be used during injection of PetroFix[®] to simulate conditions that will be encountered during full-scale injection activities.

In the Capital 66 plume area, the Geoprobe[®] 8040DT was able to drive the injection rods as far as 36 ft bgs but could not reach the desired depth of 45 ft bgs. The rods became wedged in the boring and it took several hours to retrieve 20 feet of the rod from the boring. The remaining 16 feet of rod could not be retrieved from the boring and was abandoned in place.

After a phone conversation between the EA project manager and the Cascade Midwest Operations Director for Remediation, it was determined that due to the difficult drilling conditions at the site, a combination of different tooling options would be required to reach the target depth. Cascade mobilized a trailer with several different sizes of solid stem augers and other tooling options that could be used with the Geoprobe[®] drilling rig.

In the De Vargas plume area, Cascade first attempted to drive the injection rods with the Geoprobe[®] 8040DT to the target depth of 45 ft bgs using direct push technology alone to determine if the subsurface lithology in a different area of the site would allow the rods to be driven to depth. The result was similar to the Capital 66 plume area, with the injection rods only being advanced to a total depth of 38 ft bgs before becoming wedged in the boring. Cascade believed that borehole friction due to flowing sands below the water table was preventing the rig from being able to drive the injection rods to the desired depth. Cascade stated that the rig had plenty of power to push the rods to between 36 and 38 ft bgs but getting the rods back out of the

ground afterwards was the problem. This issue caused numerous delays. For example, because of the pull-back force, the asphalt in the De Vargas parking lot was damaged and had to repaired. The Geoprobe foot caused a one to two feet deep indentation in the asphalt and underlying soil while trying to pull the rods out of the ground.

During the two days in the De Vargas plume area, Cascade attempted various tooling options in several borings to reach the injection target depth. This was a good exercise because it allowed Cascade to get a good feel for the drilling conditions and tooling options that will be required during full-scale injection. Cascade determined that a combination of 3.25-inch solid stem augers and direct push could reach the desired injection depths in a reasonable timeframe.

A confirmation of this tooling combination was determined to be successful in the SFCJC and Capital 66 plume areas and will be used for full-scale injection activities. Two Geoprobe[®] rigs will be used – one rig predrilling the boring via small diameter solid stem augers; the second rig will follow inserting injection rods into the predrilled boring for injection of PetroFix[®]. Details of the injection procedure will be developed and presented in the Final Remediation Plan (FRP) for the site.

Contingency Set-Aside for Soil Borings

From March 17 through 22, 2020, EA and Cascade advanced three soil borings in the Design Center plume area between the Design Center and the Attorney General building to determine the treatment zone thickness. Soil boring SB-1 was installed in Cerrillos Road adjacent to monitoring well MW-4R, soil boring SB-2 was installed in the alley adjacent to monitoring well MW-1R, and soil boring SB-3 was installed in the southbound lane of Cerrillos Road about 15 feet east of previously installed soil boring SB-1 (Figure 2).

A hollow stem auger (HSA) drilling rig was mobilized to the site by Cascade to complete this task after it was determined during previous tasks that the Geoprobe[®] 8040DT could not reach the required boring depths to complete this task due to the difficult drilling conditions encountered in the area. Mobilization of the HSA rig to the site was delayed due to extenuating circumstances with COVID-19. The delay allowed the drillers to complete asphalt restoration/repair and other tasks around the project area.

Soil samples were collected during drilling at 5-foot intervals with a split spoon sampler for lithologic description and headspace analysis using a photoionization detector (PID). The soil borings were logged on standard boring log forms by a trained geologist under the supervision of qualified personnel. Drilling was terminated when PID readings in two consecutive samples were below 100 parts per million by volume (ppmv). Reusable drilling and sampling equipment were decontaminated prior to use and between samples using a laboratory-grade detergent and fresh tap water rinse.

After completion of drilling, each boring was plugged and abandoned by grouting with a cement/bentonite from the bottom upwards using a tremie pipe to within one foot of the surface and then finished with a concrete cap or asphalt to match the existing surface.

Soil cuttings were placed in 55-gallon steel drums and staged in the open space on the east side of the 200 W. De Vargas parking lot pending disposal. A composite sample of the investigation derived waste (IDW) was collected for waste characterization purposes. The sample was submitted to HEAL and analyzed for BTEX by EPA Method 8021 and total lead by EPA Method 6010. The laboratory report for the IDW sample is provided in Attachment 3. The IDW was disposed of by Gandy Marley, Inc. (GMI) at the GMI's facility located west of Tatum, New Mexico. The waste manifest is included in Attachment 4.

Soil boring logs are included in Attachment 5. Soil boring SB-1 was drilled to a total depth of 90 ft bgs. Elevated PID readings above 100 ppmv were encountered in the boring from 45 to 75 ft bgs. Soil boring SB-2 was drilled to a total depth of 80 ft bgs. Elevated PID readings above 100 ppmv were encountered in the boring from 25 to 70 ft bgs. Soil boring SB-3 was drilled to a total depth of 95 ft bgs. Elevated PID readings above 100 ppmv were encountered in the boring from 35 to 90 ft bgs. PID readings recorded during drilling are shown on the soil boring logs in Attachment 5.

The water level in the Design Center plume area is approximately 32 ft bgs. PID readings obtained from headspace analysis of samples collected during drilling show that the thickness of contamination below the water table in borings SB-1, SB-2, and SB-3 (based on headspace readings above 100 ppmv) is 43 feet, 38 feet, and 58 feet, respectively. Based on these thicknesses, a different injection approach will be required in the Design Center plume than the injection approach that will be used for the Capital 66, De Vargas, and SFCJC plumes, in which the total thickness of contamination is approximately 15 feet. The headspace readings and thicknesses of contamination below the water table determined during this task will be used to formulate an injection approach for the Design Center plume that will be presented in the FRP for the site.

EA intends to invoice the reduced amounts of \$46,278.38 (including NMGRT of 7.875%) for Deliverable ID 4072-4; \$51,014.09 (including NMGRT of 7.875%) for Deliverable ID 4072-5; and \$37,206.09 (including NMGRT of 7.875%) for Deliverable ID 4072-13. The reductions in each Deliverable ID were for adjustments in the New Mexico Gross Receipts Tax from 8.875% to 7.875%. If you have any questions regarding the information provided in this letter report, please don't hesitate to call me at (505) 369-3149.

Sincerely,

EA Engineering, Science, and Technology, Inc., PBC

7: D. L

Michael D. McVey, P.G., C.P.G. Senior Hydrogeologist

Enclosures Cc: File

FIGURES





SOURCE: SOUDER, MILLER & ASSOCIATES. 2018 AUGUST.

	SANTA FE COUNTY JUDICIAL COMPLEX	PROJECT #: WORK PLAN PROJECT PHASE: 05 PROJECT MANAGER: MM
60 30 0 60	SANTA FE, NEW MEXICO	320 Gold Avenue, SW Suite 1300 Albuquerque, NM 87102
	FIGURE 2	Phone: (505) 224-9013
SCALE IN FEET	SOIL BORING LOCATIONS	EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC

TABLES

TABLE 1. SAMPLE ANALYTICAL AND QUALITY CONTROL REQUIREMENTSBENZENE PLUME DELINEATIONSANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO

Target Analytes	Matrix	Analytical Method	Sample Container	Preservative	Holding Time
VOCs	Water	EPA 8260B	3 x 40- mL glass vials	Mercuric Chloride; Cool to <6°C	14 days
EDB	Water	EPA 504.1	2 x 40- mL glass vials	Mercuric Chloride; Cool to <6°C	14 days
NOTES: VOCs = Volatile organic co EDB = Ethylene dibromide EPA = U.S. Environmental mL = Milliliter <6°C = Less thgan 6 degree	ompounds Protection Agency es Celsius				

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTSBENZENE PLUME DELINEATIONSANTA FE COUNTY JUDICIAL COMPLEX, SANTA FE, NEW MEXICO

Sample ID	Date Sampled	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	EDB	EDC	Total Naphthalenes
SB-C66-01	12-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	< 0.0094	<1.0	<4.0
SB-C66-02	12-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093	<1.0	<4.0
SB-C66-03	12-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093	<1.0	<4.0
SB-C66-04	12-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093	<1.0	<4.0
SB-C66-05	12-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0095	<1.0	<4.0
SB-C66-06	12-Mar-20	<1.0	<1.0	<1.0	3.2	<1.0	<0.0093	<1.0	<4.0
SB-C66-07	11-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	<0.0093	<1.0	<4.0
SB-C66-08	11-Mar-20	<1.0	<1.0	<1.0	<1.5	<1.0	< 0.0094	<1.0	<4.0
NMWQCO	C Standards	5	1,000	700	620	100	0.05	5	30

Notes:

All samples analyzed in accordance with EPA Method 8260B, unless otherwise noted.

EDB analyzed in acccordance with EPA Method 504.1.

All concentrations reported in micrograms per liter ($\mu g/L$).

MTBE = Methyl tertiary-butyl ether

EDB = Ethylene dibromide

EDC = Ethylene dichloride

NMWQCC = New Mexico Water Quality Control Commission

ATTACHMENT 1 FIELD NOTES

weather: mid 60: (°F), mostly sunny to nostly cloudy	PAGE REFERENCE DATE	6750 Cascale + 54 005, K (3m+mm) 3/1/2020	1805 Site walk about/RUN John discussion	000 lascade al site to get equipment 0837 Mile M. (EA) officit	CAIL Mike M. (24) on sik	0930 Santa le larking Entrement on site to	discuss our ROL Primits - Courtreys handling Works	- UTS LASCER AN Site Jerport Truck - began sering	1005 Ruking neter hord priser on site to had all	pertinent purking meters	1020 Tailgate meeting (casedo run)	1045 Tailgate completed - site schop continued	- beopable 8040DT being used	1112 Susan from shake on site : Hts buding	1130 Geoptide positioned over 5B-66-08	1132 Dallers began punching through a plied t - hole	punched through - duillers began hand auguing to 5	- waste collected in 5-gel bucket	1136 Geoproles positioned aren 5B-266-07-hole punched	1140 begride own SB-LEE-DE - hele punched	1155 (separate over 50-CG6-05- hole punched 1200 Driller Oxplains that hand angering to 5' might be the headed	difficult be of granite cobles - patholas are 25' them reachest room
INCH MADE IN TACOMA - SINCE 1440	Rite in the Rain.	— DEFYING MOTHER NATURE —		Name SFCJC		Address		Bhone Phone		Project 6 54 700'L		4				01				B A Auditor	RiteintheRain.com	

ŝ)-plug installad Celind lite in the Rain plugged + patched it on secondary containment - bappole nonhed 333 and cove placed over it - Geoprobe parked - 58-C6606 58-C66-08+ 58-C66-07 al de Miles 1710 Cascade + EA of site Mike M. with cantion type 2020 Called 3/11/ 1645 1650 continue work per, scope east & SAVEUR BISTRO - obviously Set up on 56-Cele-Ob - 1525 dilling began @ 58-Cele-Ob 13415 TD= 34 fbgs - diller papto install 1" sch 40 PVC 45 screen 1600 Casing Highed and "I tripped out - 1615 beoprobe moving over SB-C66 05 & to furthest NE failing spot for the night 1440 Sumpled " 5B-C66-08 + TD = 35' @ 5B-C66-07 2351 1420 Cascade + EA discuss work noving forward - decided to lasude will read to bring in a HSA for work to west of 1350 lell installed - God being trigged out - 1400 rod out SB-CG6-08 chipped to TD' @ 58 - 666-06 = 32' - Mile M. off site a dull rul was pushipped - rul pomoved + well being EN 2 30 f. - duillers remove well + pull rade to inspect 1430 difling legen @ 58-CG6-07 while allowating to 1455 an obstruction in dail rod repued the well install R -HB dilling began on get to duillers setup on so-clo-og to punch to 1300. Hand auger still proving difficult able to Fetigerie In get waken @ 5B-Cle -08 2/3 640 no water recovery in se-celerob 1325 began duilling & SB-C66-08 Susan V. L, (stute) of site Sampled SB - C66 - 07 413 Set up @ 58- cb6-07 SAVEUR Listro 2/11/2020 through push rod installed 5 for y 2/1 1550 5020 15th 08 1905 1518 2

terminate daillers of lunch building. S began 36 4 - geoprote moved 1630 push rade being trigged out + 7800 over pilot push lite in the Rain location @ SAVZUR BISTRO parking lot (lot empty) geoprole positional & 53 - Cle 02 - hand auger over 58 - C66 - 01 - 1310 hole punched 1635 legun chilling fist injection well pilot - push rode out Pal and decides for Beeprobe @ 58-C66-02 - 1545 diilling @ 58 - C66-03 - drillers began Z 1440 duilling began @ 515- (66-01 - 1458 70 2 76.20 58 - C66 - 03 to re-duill " w/2" -1620 1" well installed with wish phish of as puck to temores 150 1 well installed - 1516 pusheds trigged out - 1255 west of original hole hand auger staged @ 53- 666-01 plugged + pathe 58-666-03 1315 hole punched @ 58-666-02 4 P 58-066-03 1215 dillers breek for lunch drifter rotice coldk & H 10-20 m Beeploke @ 58- 666-01 1350 Sampled 58-C66-03 R-duill 58-C66-03 10began @ 5B-C66-01 58- C66 1370 dulling began @ 53-66-03 5B-C66-02 Buillers plug 162 TO \$ 32' 1335 70 2 371 10 " back to Geopole IL45 Sampled 3/12/20 about and 1430 and 1415 1258 1538 1210 2941 1205 (B) site - will spice to the temperal with weather: 50, Cor) laity Cloudy; breizit rodo up 4 retractable screen and began drilling duillers - wher rechanging - Site Sappy and page to sample SB- Cbb-db 135-37 ownerhed hale & 58-566-04 duillers switched to - 1125 dilling began fagged SB-libbid and water is present for lithe facines changes to better willenstrund TD x 34' & SB-CEE-03 but full rad bent by cetter 50-566 - 05 plugged + pathied (Geoprishe prob to Geoprete Dositioned @ 58. C66-05 - drilling begans (beographic proved to west side of talifes @ 55- Ceb 05 - togged w/ 2,25 i of head -\$ 23 duillers duilled to 33' and Soil sampled 33-35' 1205 Edd hyped out it was bent @ 1 tomection began installing 1" well i S' since depth - no water - Millers remove duil rod TD 2 34' @ 58-Clob-of feached 58-C66-06 phyged + patched Will installed a SB - che - 05 repsitioned Geoprobe over SB-C66-03 muple & SB-C66-05 58-666-04 ampled SB-C66-06 Hã S Crithing EA+ Caseade on hatte control 5B-C66-03 subsurface. 37-38' 02/21/2 (2) 040 Sound led AF ON and 172 2 0720 6830 0830 and 0350 0940 0755 0815 6214 1015 145 1030 1115 011 801

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about contrains but don't want to get ad stack again duillers are thinking wet? 6 1646 puch rals removed from hale # 1-required 15 de ilin - 8040 bracept in to full push rate of 8040 DT would to remove push ad -bespiebe 2 - tiping out to try probe rado 1400 diillers of lunch - attempting to pull puch ade aut remove stuck push rads - overduilling difficult lite in the Rain began overdulling w/7800 on first hole 1410 7800 can't quell puch rade - 7800 of borehole 2/2 still trying to remove push rade in hole #3 hole (will read to be over drilled w/ awy, site cleanup old 5,4 for the day P Pot lunche break 2 341 escabe + 54 off site 1 + Kush rodo unstuck Mike N. (Et) 4 X X 4 3/14/2020 Chillers on Wele to push August 0171 1412 1325 1252 1310 iyya 1730 5221 greprobe - 7800 setting up next to it to short will Saft + 5 Am it with branks twough gravely layer is 0915 dailing began 2/2 push iada & hale #1 55A 5825 Movement to north parking lot for tangt depth have augening a test bolehole, set up to the and 224 - going to 0955 Still shick had to block ble Geoprobe is sinking 1215 Augued to & 241 - began direct push w/ 184" ads they may put graphable over hale + quick to TO E# those over and 55A down through upper gravel is \$12) 3/H/2028 Weather: Iow 505 (or S, mostly, chear/sumybuck on site - began Zat borchale 110 Dallers were able to SSA down to contamination loyer that is giving geoplobe trouble and then by pushing to TD --1127 auger redo out 1005 which is 'to thom Depet - 55A began dulling and where ~ 45 A. Diller stated he wonts to 9910 DIW = 26.18 # 695 @ MW -11 - duillers 0845 begade + support vehicle @ 100 Site into asphalt - while they by to unplug Auger down through gravel + put again 0915 drilling began w/2" push rade @ hale #1 0807 HOS bieting / failing meeting injection well in restigation w/ carbide button bit @ hule +2 1230 direct push didn't make it past 0800 Cascade + EA. on site With Smaller rods (23" 1150.

all Spen out - stongh paged @ ~ 35 125 11 1510 duillers began triping in push rodo to see it it can. lite in the Rain 1615 Tallie control removed @ Montecuna + Equipment 1530 prep to abordon hole w/ luptbold madichips + QUIKER =1700 holes patched; 2 steel divins left on grass (250galbus in each 22 1525 prote tails temoved - made it to TD = 215 1550 Ceinent being mixed for packing @ surface moved - abouton + patch @ parting lot @ 2 B3 \$ las oppl es/anger next to building - labeled Cascade & Et de site 7800 out of frees 70 = 45 ' reched Reach TD = 45' 3/15/2020 1340 1450 1405 1710 diller stated that cols troped in to & 44 & 695, weight 0844 push rade fell downhale below grade # 50 inches by 1030 diller stated that Mike Jaged slough @ 26 ft bg duiller wave a sampler to get pull cap off and connet 5 push Augering began - 1215 duillers on hard breach 40 3/15/2020 Everther: mid 500 (00, 10, 14, cloudy; slight clauses spirited target depth hale on Montezuna and Hen take lunch; 0941 8040 over hole #2 - driller works to see if he can Tod - move 7800 di hole + bring 8040 on hole 09.12 Mike (asud) on site - bagan tiring asphalt 45° 1140 driller stated that he wants to stage over injection when they get back they'll augus to H5' and drop 'rodo seems to be adquet to sink through slough Cascude + EA on site - 0805. Has briting tools Mile (casade) of site - heading to Denver legen triging out quer reds for hele \$2 - large 0820 dillers prog to remove puch look on hole #3 puch rod and see it they can get back to Millers of lunch break - augering resumed Mike ascude) off site to theme Depit driller began pushing ou hale #2 of Houble @ 2-8'fby 7500 setup on Nontezuma puch rode to TD through stough 0930 puck roda reversed @ hole #3 gravel /small cold le 1105 quak ligh out a let o osto 0121 1200 1636 1230 1310

13 Daller stated that he will still attempt a 60" sample sample dillers decomming two an equipment appressive wahen all work noved to DA por king lot - bolehak lite in the Rain 09 5ph spon down had - about a m 34 ' high Wilkers havenes 55 down to 260,5 & too Site clean of while sample beats up Traffic control of city street and ant escade + St Bit Diag bit out of bouchely Secured 2/2 1850 1247 0761 1650 1652 1700 1845 315 55 gal steel durins - diller sent hand to buy noir stights 1512 did sheet in auga again 1530 dillers on brack & house Mike M. (EN) said to somple @ 60' and if belows 10 mm in prep tor soil sampling going to 30' and then sampling weather: mid Sos (of); cloudy; breezy Wite M. called it on benehale - related & differ dillars on lunch - 1410 dillars of lunch break 0845 duiller on site trove Bisto - owner gateful for notice discussed w/diviller that poly anims cannot be wood for soil waste and that they're scoped to war only to terminate investigation - relayed to diiller hole out how to get dill wester from inside auger #1 sounding bole in nedian 0730 JM (2A) on site and setup tallie control -differ to Diste to inform them that we'll be 1648 auger out of hole - began tripping out drag 6.4 pulling in parking let heday a than they dose Split Sponting @ 35 - tant: 50 6buss for # 5" 1615 duiller can't free drag bit - began tripping out augos. 1320 split speaning @ 45" 1423 split spearing SD' 1450 split spearing 55' - 659 HSA over Cascade entering site + inspecting set up to split spoon sumple bit wedged in auger (maybe cock) 1 to ilacte on Allom Cervillos Rd HSA began builting split spenning @ 40' Sik setup over tatic central HtS birding (142) 3/17/2020 @ 30 f -1650 1555 1255 1335 0350 0810 1200 2+21 0830 2580 015 1/85

15 1523 Mike M. (EA) to ship on site - Josh M. Marke lite in the Rain see it equipment an be staged in particing synts City on site to review table ontel plan to 1520 Mat to stay on site and verity drillere 1715 m 1630 hole abandoned Via plan . or ol 8 a bandon barehole appropriately f site R East of Colo overnight Split spoon being typed in began tripping out auger on site M. ke M. on site Eft (astade 170 site cleanup 1412 set up for decon Mike M. Sosite Spear theped out of @ mads Matt Cascude 1435 (1538 5241 1430 1346 1720 1400 1406 02/1 2 - gona hanner 18" to get 65 "representative any Weather a mid 50s (op), partly cloudy to cloudy , chance of rais in afternoon 0910 duilling began to 65 Cerrillos 65' without a drag bit + lun 55 down for sample 801 - 1130 split spon advancing dullars on hunds - 1325 dillars of lorch brock my pro da Split Spean tripping in - 0925 55 tripped in to 2 Site setup - duillers are going to they to auger 1210 Ougaing to 85' - 1222 began hopping in split spoon 1230 Winch able Ampled -1235 untangled calle 0945 dillers on break - 1015 duillers of Greate setup tractic control on spoor out - bit bottom @ 2 70 f + Driver 11" - split spoon 1237 Spani down to 85' - 1250 span Kipped aut - dense we all blad rate of hits and to my split spean hit @ 200785th deithers jog tod 1117 grave from 75' up tor PID source 1020 Split spoon kighed in to 20 70 ft get 55 down 16" advancing anger to 901 anger Higged in to 60' -75' Has bliefing /tailgate JM (EA) ON Site to down to 2 74.86' Hyping in 60' of angen auger advanced to 0936 Mike Mc Wey an site auger advancing to Covcede on site split spoon trigged out 3/18/2020 - only able to 64.5' down 5521 z 1 0730 0800 0708 1040 1105 3815 0825 0835 0915 1150 5211 14

one to fill take whenter and other to set up an timel get pup to tremie a bunden #2 vertice ton 17 batel # mixing - 05 4 (water) teel boug tour KRATE 0855 henrie out of bolehole - 0900 began triping out auger Herrie Hipped in - pup to Mix batch#1 rearent. Hanster drillers of hunch sure drums are ell deman here as growt has getted to to 15 \$ 400 . weather a mid sosler); mostly cloudy 0725 EA+ Cascade on six - site inspection Mixing batch #3 - 1005 batch #3 downhalk setup - rig started up after neon dillers note plan to split up into 2 teams - grout to 1/2. ft bas Chages higged out - grout to & 15 though 0842 mining batch #2 - 0852 batch #2 downhale to overduill + abandon 2 Aby; dillers chance of rain patched 54695 began and decoming as they go spent decen water to poly drugs - miling in 55 gol steel duyn Has briefing / failgate dentick up over Arist bove hold 1035 grout setting - now @ CME set up over hole #1 Buchole #2 in alleyour 1145 Overdailling @ borehols #1 the fire can that to about bath #4 down hole BS40 bath #1 downhele on Junch 1016 Ruxing bath #4 Onillers 3/21/2020 Front 1155 duillers and 0955 0280 0945 1025 040 2820 0825 821 1110 201 1058 0411 1005 Weather: mid 405 (oF); in-and-out sunshind the less on burch 1300 dillers of lunch break Rugaring to 20' began - 1st sumple to be @ 20' 1520 #5 plug when tipping goon in to get 65' soundle 1645 priller calle it @ 80 ' for the day - sample then 1650 574 cleanup Mike M. stated that I 80' is 15 center line houses and sends now spoon to 65' sourple dider removes spoon and breaks through plug with 10577 Cascade equipment began entering site; as 1065 Chris (Casude) on site setting up the flow control grown biele @ # 2 beation in alleysian chiller tries to unplug by Jogging augon up + doewn equipment enters site site setup occurs King secured + fightic control moved 1577 diller decided to however through plug 5 0945 Riched up sell parmits from state anget 4 off site angoning Ch Ch Has briefing Hailgate 2 ascade + 24 DESDen JM (ex) on site 3 duillers hand 3/10/2020 <16 (√) 0221 0845 1230 0181 8051 1205 1195 1200

-1700 gout to 2 35' traffic control 19 Corrillos Silver center line hennier 1450 JN to DA pulling lot - 1900 Toda 100 composite 5 weather : mid 50s(er); sunny b center havener and auger back down to abandon Rite in the Rain 20' reached w' auger - now beginning 55p every 1620 HSA & 95' - 1625 began triping in push rach reak 13300 95 Et + Cascade mile - site setre Stated that he has to this out auger with he can their up center live hammer - extract Mike M. Calls it on the bosehole - duiller to knock out wood plug + abandon wlgrout bit plugged wluwout - began augering lack to 70 thilling began my hand auguing began dillers on lanch break - 1215 of linch at the surface -shick in bottom 10' of H5A Conter has haven represed from alloge center hanner with adde on shelp pro1 , 22' Aprilgate neeting and the 5' - clear of whites outer hannes which cable broke 3 H#S 60.400 of the lack a 3/22/2020 Lesh M. 1635 plug popped 1 705 1515 0835 1348 1410 1525 0060 1345 1130 0330 154S 0820 0810 1525 deride down - site clean up + prep to patch bare hale 1545 hole patched - 1548 rg of bouchele to 1330 Driller should that he to flow - peop to guest 0 Bront to surface - Setting 1615 Cascade + Et the site 1450 all augor out of bouched Stephy and on Oalistee R. 1510

ATTACHMENT 2 PHOTOGRAPHIC DOCUMENTATION



Photo 1: Cascade drilling crew unloading the Geoprobe 8040DT. Date: March 11, 2020

Direction: NE



Photo 2: Potholing to confirm underground utility clearance prior to drilling. Date: March 11, 2020

Direction: S



Photo 3: Advancing soil boring SB-C66-08 using direct-push technology for groundwater sampling. Date: March 11, 2020 Direct

Direction: SE



Photo 4: Installing temporary 1.5-inch PVC well in SB-C66-08 for groundwater sampling. Date: March 11, 2020 Direction: S



Photo 5: Installing poly tubing for groundwater sampling in temporary 1.5-inch PVC well set in SB-C66-08. Date: March 11, 2020

Direction: E



Photo 6: Securing drilling rig for the evening. Date: March 11, 2020

Direction: N



Photo 7: Attempting to advance contingency soil boring SB-1 using direct-push technology in Cerrillos Road adjacent to monitoring well MW-4R for treatment zone thickness determination. Date: March 14, 2020 Direction: N



Photo 8: Attempting to advance soil boring to 45 ft bgs using direct-push technology in 200 W. De Vargas parking lot for injection depth determination. Date: March 15, 2020 Direc

Direction: N



Photo 9: Trying different drilling rigs and tooling configurations to advance soil borings to 45 ft bgs in 200 W. De Vargas parking lot for injection depth determination. Date: March 15, 2020 Direction: W



Photo 10: Advancing soil boring to 45 ft bgs in 200 W. De Vargas parking lot with solid stem augers then reentry with direct push rods to total depth. Date: March 15, 2020 Direction: S



Photo 11: Advancing contingency soil boring SB-1 in Cerrillos Road using hollow stem auger adjacent to monitoring well MW-4R for treatment zone thickness determination. Date: March 18, 2020

Direction: E



Photo 12: Advancing contingency soil boring SB-3 in Cerrillos Road using hollow stem auger for treatment zone thickness determination. Date: March 22, 2020 Direction: E

ATTACHMENT 3 ANALYTICAL LABORATORY REPORTS



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 27, 2020

Mike McVey EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, NM 87102 TEL: (505) 369-3149 FAX:

OrderNo.: 2003922

RE: Santa Fe Co Judicial Complex

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 9 sample(s) on 3/19/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT:EA EngineeringProject:Santa Fe Co Judicial ComplexLab ID:2003922-001

Client Sample ID: SB-C66-08 Collection Date: 3/11/2020 2:40:00 PM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0094	µg/L	1	3/23/2020 11:27:59 AM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	µq/L	1	3/24/2020 12:29:35 AM	W67507
Toluene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Ethylbenzene	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
Naphthalene	ND	2.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
2-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Acetone	ND	10	µg/L	1	3/24/2020 12:29:35 AM	W67507
Bromobenzene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Bromodichloromethane	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Bromoform	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Bromomethane	ND	3.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
2-Butanone	ND	10	µg/L	1	3/24/2020 12:29:35 AM	W67507
Carbon disulfide	ND	10	µg/L	1	3/24/2020 12:29:35 AM	W67507
Carbon Tetrachloride	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Chlorobenzene	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
Chloroethane	ND	2.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Chloroform	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
Chloromethane	ND	3.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
2-Chlorotoluene	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
4-Chlorotoluene	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
cis-1,2-DCE	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
Dibromochloromethane	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Dibromomethane	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
1,2-Dichlorobenzene	ND	1.0	μg/L	1	3/24/2020 12:29:35 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,4-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
Dichlorodifluoromethane	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507
1,2-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 12:29:35 AM	W67507

Matrix: AQUEOUS

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Limit

Page 1 of 22

S % Recovery outside of range due to dilution or matrix

Analytical Report 003922

Hall E	nvironmental Analysis	Lab Order 2003922 Date Reported: 3/27/202	0					
CLIENT: Project:	EA Engineering Santa Fe Co Judicial Complex	M-4-1 AQUEQUE	Cl	lient Sa Collect	ample I ion Dat	D: SE	3-C66-08 11/2020 2:40:00 PM	
Lab ID:	2003922-001	Matrix: AQUEOUS		Recei	ved Dat	:e: 3/ .	19/2020 1:50:00 PM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 8260B: VOLATILES						Analyst:	DJF
1,3-Dich	loropropane	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
2,2-Dich	loropropane	ND	2.0		μg/L	1	3/24/2020 12:29:35 AM	W67507
1,1-Dich	loropropene	ND	1.0		μg/L	1	3/24/2020 12:29:35 AM	W67507
Hexachle	probutadiene	ND	1.0		μg/L	1	3/24/2020 12:29:35 AM	W67507
2-Hexan	one	ND	10		µg/L	1	3/24/2020 12:29:35 AM	W67507
Isopropy	Ibenzene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
4-Isopro	pyltoluene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
4-Methyl	-2-pentanone	ND	10		µg/L	1	3/24/2020 12:29:35 AM	W67507
Methyler	ne Chloride	ND	3.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
n-Butylbe	enzene	ND	3.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
n-Propyll	benzene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
sec-Buty	lbenzene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
Styrene		ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
tert-Buty	lbenzene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
1,1,1,2-T	Tetrachloroethane	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
1,1,2,2-T	Fetrachloroethane	ND	2.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
Tetrachle	oroethene (PCE)	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
trans-1,2	2-DCE	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
trans-1,3	3-Dichloropropene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
1,2,3-Tri	chlorobenzene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
1,2,4-Tri	chlorobenzene	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
1,1,1-Tri	chloroethane	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507
1,1,2-Tri	chloroethane	ND	1.0		µg/L	1	3/24/2020 12:29:35 AM	W67507

F

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

ND

ND

ND

ND

ND

104

93.5

99.7

101

1.0

1.0

2.0

1.0

1.5

70-130

70-130

70-130

70-130

* **Qualifiers:** Value exceeds Maximum Contaminant Level.

Trichloroethene (TCE)

Trichlorofluoromethane

1,2,3-Trichloropropane

Surr: Toluene-d8

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Vinyl chloride

Xylenes, Total

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

1

1

1

1

1

1

1

1

1

µg/L

µg/L

µg/L

µg/L

µg/L

%Rec

%Rec

%Rec

%Rec

3/24/2020 12:29:35 AM W67507

Е Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range Р RL Reporting Limit

Page 2 of 22

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

Lab ID:	2003922-002	Matrix:	AQUEOUS
Project:	Santa Fe Co Judicial Complex		
CLIENT:	EA Engineering		

Client Sample ID: SB-C66-07 Collection Date: 3/11/2020 3:40:00 PM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0093	µg/L	1	3/23/2020 11:43:08 AM	51256
EPA METHOD 8260B: VOLATILES			10		Analyst:	DJF
Benzene	ND	1.0	ua/L	1	3/24/2020 12:59:11 AM	W67507
Toluene	ND	1.0	µg/= ua/L	1	3/24/2020 12:59:11 AM	W67507
Ethylbenzene	ND	1.0	µa/L	1	3/24/2020 12:59:11 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Naphthalene	ND	2.0	μg/L	1	3/24/2020 12:59:11 AM	W67507
1-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
2-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Acetone	ND	10	µg/L	1	3/24/2020 12:59:11 AM	W67507
Bromobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Bromodichloromethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Bromoform	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Bromomethane	ND	3.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
2-Butanone	ND	10	µg/L	1	3/24/2020 12:59:11 AM	W67507
Carbon disulfide	ND	10	µg/L	1	3/24/2020 12:59:11 AM	W67507
Carbon Tetrachloride	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Chlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Chloroethane	ND	2.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Chloroform	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Chloromethane	ND	3.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
2-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
4-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
cis-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Dibromochloromethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Dibromomethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,2-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,4-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
Dichlorodifluoromethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507
1,2-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

D

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Н ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits Р Sample pH Not In Range

RL

Reporting Limit

Page 3 of 22

% Recovery outside of range due to dilution or matrix S

Date Reported: 3/27/2020

CLIENT:	EA Engineering	Client Sample ID: SB-C66-07									
Project:	Santa Fe Co Judicial Complex	Collection Date: 3/11/2020 3:40:00 PM									
Lab ID:	2003922-002	Matrix: AQUEOUS	R	eceived Date	e: 3/1	9/2020 1:50:00 PM					
Analyses		Result	RL Q	ual Units	DF	Date Analyzed	Batch				
EPA ME	THOD 8260B: VOLATILES					Analyst:	DJF				
1,3-Dich	loropropane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
2,2-Dich	loropropane	ND	2.0	μg/L	1	3/24/2020 12:59:11 AM	W67507				
1,1-Dich	loropropene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
Hexachle	orobutadiene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
2-Hexan	one	ND	10	µg/L	1	3/24/2020 12:59:11 AM	W67507				
Isopropy	lbenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
4-Isopro	pyltoluene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
4-Methyl	I-2-pentanone	ND	10	µg/L	1	3/24/2020 12:59:11 AM	W67507				
Methyler	ne Chloride	ND	3.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
n-Butylb	enzene	ND	3.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
n-Propyl	benzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
sec-Buty	lbenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
Styrene		ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
tert-Buty	Ibenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
1,1,1,2-1	Fetrachloroethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
1,1,2,2-1	Fetrachloroethane	ND	2.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
Tetrachle	oroethene (PCE)	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
trans-1,2	2-DCE	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
trans-1,3	3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
1,2,3-Tri	chlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
1,2,4-Tri	chlorobenzene	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
1,1,1-Tri	chloroethane	ND	1.0	μg/L	1	3/24/2020 12:59:11 AM	W67507				
1,1,2-Tri	chloroethane	ND	1.0	μg/L	1	3/24/2020 12:59:11 AM	W67507				
Trichloro	pethene (TCE)	ND	1.0	μg/L	1	3/24/2020 12:59:11 AM	W67507				
Trichloro	ofluoromethane	ND	1.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
1,2,3-Tri	chloropropane	ND	2.0	µg/L	1	3/24/2020 12:59:11 AM	W67507				
Vinyl chl	oride	ND	1.0	μg/L	1	3/24/2020 12:59:11 AM	W67507				
Xylenes,	Total	ND	1.5	μg/L	1	3/24/2020 12:59:11 AM	W67507				
Surr:	1,2-Dichloroethane-d4	101 7	70-130	%Rec	1	3/24/2020 12:59:11 AM	W67507				
Surr: 4	4-Bromofluorobenzene	89.6 7	70-130	%Rec	1	3/24/2020 12:59:11 AM	W67507				
Surr: I	Dibromofluoromethane	97.5 7	70-130	%Rec	1	3/24/2020 12:59:11 AM	W67507				
Surr:	Toluene-d8	94.0 7	70-130	%Rec	1	3/24/2020 12:59:11 AM	W67507				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Hall Environmental Analysis Laboratory, Inc.

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix s

Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

ND Not Detected at the Reporting Limit

*

D

Н

Qualifiers:

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT: EA Engineering Santa Fe Co Judicial Complex **Project:** 2003922-003 Lab ID: Matrix: AQUEOUS Client Sample ID: SB-C66-06 Collection Date: 3/12/2020 8:30:00 AM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0093	µg/L	1	3/23/2020 11:58:20 AM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
Toluene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Ethylbenzene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Naphthalene	ND	2.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
2-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Acetone	19	10	μg/L	1	3/24/2020 4:23:08 PM	W67534
Bromobenzene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Bromodichloromethane	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Bromoform	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Bromomethane	ND	3.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
2-Butanone	ND	10	μg/L	1	3/24/2020 1:28:46 AM	W67507
Carbon disulfide	ND	10	µg/L	1	3/24/2020 1:28:46 AM	W67507
Carbon Tetrachloride	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
Chlorobenzene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Chloroethane	ND	2.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Chloroform	1.2	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
Chloromethane	ND	3.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
2-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
4-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
cis-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Dibromochloromethane	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
Dibromomethane	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1,2-Dichlorobenzene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
1,4-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
Dichlorodifluoromethane	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 1:28:46 AM	W67507
1,1-Dichloroethene	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507
1,2-Dichloropropane	ND	1.0	μg/L	1	3/24/2020 1:28:46 AM	W67507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range RL

Reporting Limit

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Date Reported: 3/27/2020

CLIENT: E	A Engineering		Cli	ient Sa	mple I	D: SB	-C66-06	
Project: Sa	anta Fe Co Judicial Complex		0	Collect	ion Dat	e: 3/1	2/2020 8:30:00 AM	
Lab ID: 20	003922-003	Matrix: AQUEOUS		Receiv	ved Dat	e: 3/1	9/2020 1:50:00 PM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHO	OD 8260B: VOLATILES						Analyst	DJF
1,3-Dichloro	propane	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
2,2-Dichloro	propane	ND	2.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,1-Dichloro	propene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Hexachlorob	outadiene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
2-Hexanone)	ND	10		µg/L	1	3/24/2020 1:28:46 AM	W67507
Isopropylbe	nzene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
4-Isopropylt	oluene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
4-Methyl-2-p	pentanone	ND	10		µg/L	1	3/24/2020 1:28:46 AM	W67507
Methylene C	Chloride	ND	3.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
n-Butylbenz	ene	ND	3.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
n-Propylben	izene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
sec-Butylbe	nzene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Styrene		ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
tert-Butylber	nzene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,1,1,2-Tetra	achloroethane	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,1,2,2-Tetra	achloroethane	ND	2.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Tetrachloroe	ethene (PCE)	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
trans-1,2-D0	CE	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
trans-1,3-Di	chloropropene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,2,3-Trichlo	probenzene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,2,4-Trichlo	probenzene	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,1,1-Trichlo	proethane	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,1,2-Trichlo	proethane	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Trichloroeth	ene (TCE)	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Trichlorofluc	promethane	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
1,2,3-Trichlo	oropropane	ND	2.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Vinyl chlorid	le	ND	1.0		µg/L	1	3/24/2020 1:28:46 AM	W67507
Xylenes, To	tal	3.2	1.5		µg/L	1	3/24/2020 1:28:46 AM	W67507
Surr: 1,2-	Dichloroethane-d4	105 7	0-130		%Rec	1	3/24/2020 1:28:46 AM	W67507
Surr: 4-B	romofluorobenzene	95.5 7	0-130		%Rec	1	3/24/2020 1:28:46 AM	W67507
Surr: Dibr	romofluoromethane	104 7	0-130		%Rec	1	3/24/2020 1:28:46 AM	W67507
Surr: Tolu	uene-d8	98.7 7	0-130		%Rec	1	3/24/2020 1:28:46 AM	W67507

Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

Qualifiers:

% Recovery outside of range due to dilution or matrix s

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT: EA Engineering Santa Fe Co Judicial Complex **Project:** Lab ID: 2003922-004

Client Sample ID: SB-C66-05 Collection Date: 3/12/2020 10:50:00 AM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result RL C		Qual Units	DF	Batch	
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0095	µg/L	1	3/23/2020 12:13:16 PM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507
Toluene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Ethylbenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Naphthalene	ND	2.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
2-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Acetone	ND	10	μg/L	1	3/24/2020 1:58:21 AM	W67507
Bromobenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Bromodichloromethane	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Bromoform	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Bromomethane	ND	3.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
2-Butanone	ND	10	μg/L	1	3/24/2020 1:58:21 AM	W67507
Carbon disulfide	ND	10	μg/L	1	3/24/2020 1:58:21 AM	W67507
Carbon Tetrachloride	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Chlorobenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Chloroethane	ND	2.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Chloroform	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Chloromethane	ND	3.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
2-Chlorotoluene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
4-Chlorotoluene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
cis-1,2-DCE	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Dibromochloromethane	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Dibromomethane	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1,2-Dichlorobenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1,3-Dichlorobenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
1,4-Dichlorobenzene	ND	1.0	μg/L	1	3/24/2020 1:58:21 AM	W67507
Dichlorodifluoromethane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507
1,2-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507

Matrix: AQUEOUS

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 7 of 22

Client Sample ID: SB-C66-05

Date Reported: 3/27/2020

Project:Santa Fe Co Judicial ComplexLab ID:2003922-004	Matrix: AQUEOUS	Collection Date: 3/12/2020 10:50:00 AM Matrix: AQUEOUS Received Date: 3/19/2020 1:50:00 PM									
Analyses	Result	RL Qual	L Qual Units		Date Analyzed	Batch					
EPA METHOD 8260B: VOLATILES					Analyst:	DJF					
1,3-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
2,2-Dichloropropane	ND	2.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,1-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Hexachlorobutadiene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
2-Hexanone	ND	10	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Isopropylbenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
4-Isopropyltoluene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
4-Methyl-2-pentanone	ND	10	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Methylene Chloride	ND	3.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
n-Butylbenzene	ND	3.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
n-Propylbenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
sec-Butylbenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Styrene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
tert-Butylbenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
trans-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,1,1-Trichloroethane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,1,2-Trichloroethane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Trichloroethene (TCE)	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Trichlorofluoromethane	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
1,2,3-Trichloropropane	ND	2.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Vinyl chloride	ND	1.0	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Xylenes, Total	ND	1.5	µg/L	1	3/24/2020 1:58:21 AM	W67507					
Surr: 1,2-Dichloroethane-d4	101 7	0-130	%Rec	1	3/24/2020 1:58:21 AM	W67507					
Surr: 4-Bromofluorobenzene	92.4 7	0-130	%Rec	1	3/24/2020 1:58:21 AM	W67507					
Surr: Dibromofluoromethane	99.7 7	0-130	%Rec	1	3/24/2020 1:58:21 AM	W67507					
Surr: Toluene-d8	99.2 7	0-130	%Rec	1	3/24/2020 1:58:21 AM	W67507					

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers: * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT: EA Engineering **Project:** Santa Fe Co Judicial Complex Lab ID: 2003922-005 Matrix: AQUEOUS Client Sample ID: SB-C66-04 Collection Date: 3/12/2020 11:00:00 AM Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0093	µg/L	1	3/23/2020 12:28:18 PM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
Toluene	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Ethylbenzene	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
Naphthalene	ND	2.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
1-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
2-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Acetone	ND	10	µg/L	1	3/24/2020 2:27:54 AM	W67507
Bromobenzene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
Bromodichloromethane	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
Bromoform	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Bromomethane	ND	3.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
2-Butanone	ND	10	μg/L	1	3/24/2020 2:27:54 AM	W67507
Carbon disulfide	ND	10	μg/L	1	3/24/2020 2:27:54 AM	W67507
Carbon Tetrachloride	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Chlorobenzene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
Chloroethane	ND	2.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Chloroform	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
Chloromethane	ND	3.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
2-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
4-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
cis-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Dibromochloromethane	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Dibromomethane	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
1,2-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
1,4-Dichlorobenzene	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
Dichlorodifluoromethane	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 2:27:54 AM	W67507
1,2-Dichloropropane	ND	1.0	μg/L	1	3/24/2020 2:27:54 AM	W67507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 9 of 22

Date Reported: 3/27/2020

CLIENT: EA Engineering		Client Sample ID: SB-C66-04									
Project: Santa Fe Co Judicial Comple	X	С	ollect	ion Dat	e: 3/1	2/2020 11:00:00 AM					
Lab ID: 2003922-005	Matrix: AQUEOUS]	Receiv	ved Dat	Date: 3/19/2020 1:50:00 PM						
Analyses	Result	RL	RL Qual Units		DF Date Analyzed		Batch				
EPA METHOD 8260B: VOLATILES						Analyst:	DJF				
1,3-Dichloropropane	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
2,2-Dichloropropane	ND	2.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,1-Dichloropropene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Hexachlorobutadiene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
2-Hexanone	ND	10		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Isopropylbenzene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
4-Isopropyltoluene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
4-Methyl-2-pentanone	ND	10		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Methylene Chloride	ND	3.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
n-Butylbenzene	ND	3.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
n-Propylbenzene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
sec-Butylbenzene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Styrene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
tert-Butylbenzene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
trans-1,2-DCE	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Trichlorofluoromethane	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Vinyl chloride	ND	1.0		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Xylenes, Total	ND	1.5		µg/L	1	3/24/2020 2:27:54 AM	W67507				
Surr: 1,2-Dichloroethane-d4	100 70	0-130		%Rec	1	3/24/2020 2:27:54 AM	W67507				
Surr: 4-Bromofluorobenzene	95.1 70	0-130		%Rec	1	3/24/2020 2:27:54 AM	W67507				
Surr: Dibromofluoromethane	99.9 70	0-130		%Rec	1	3/24/2020 2:27:54 AM	W67507				
Surr: Toluene-d8	100 70	0-130		%Rec	1	3/24/2020 2:27:54 AM	W67507				

Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 10 of 22

PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix S

Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

ND Not Detected at the Reporting Limit

*

D

Н

Qualifiers:

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT: EA Engineering Santa Fe Co Judicial Complex **Project:** Lab ID: 2003922-006 Matrix: AQUEOUS Client Sample ID: SB-C66-03 Collection Date: 3/12/2020 1:50:00 PM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0093	µg/L	1	3/23/2020 12:58:35 PM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	µq/L	1	3/24/2020 2:57:28 AM	W67507
Toluene	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Ethylbenzene	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
Naphthalene	ND	2.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
2-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Acetone	ND	10	μg/L	1	3/24/2020 2:57:28 AM	W67507
Bromobenzene	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Bromodichloromethane	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Bromoform	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Bromomethane	ND	3.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
2-Butanone	ND	10	μg/L	1	3/24/2020 2:57:28 AM	W67507
Carbon disulfide	ND	10	μg/L	1	3/24/2020 2:57:28 AM	W67507
Carbon Tetrachloride	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Chlorobenzene	ND	1.0	μg/L	1	3/24/2020 2:57:28 AM	W67507
Chloroethane	ND	2.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
Chloroform	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
Chloromethane	ND	3.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
2-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
4-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
cis-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
Dibromochloromethane	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
Dibromomethane	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,2-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,4-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
Dichlorodifluoromethane	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507
1,2-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 2:57:28 AM	W67507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

Analyte detected in the associated Method Blank Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit

в

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% Recovery outside of range due to dilution or matrix S

Date Reported: 3/27/2020

CLIENT	: EA Engineering	Client Sample ID: SB-C66-03									
Project:	Santa Fe Co Judicial Complex		C	Collect	ion Dat	e: 3/1	2/2020 1:50:00 PM				
Lab ID:	2003922-006	Matrix: AQUEOUS		9/2020 1:50:00 PM							
Analyses	8	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA ME	THOD 8260B: VOLATILES						Analyst	DJF			
1,3-Dich	lloropropane	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
2,2-Dich	loropropane	ND	2.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,1-Dichloropropene		ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Hexachlorobutadiene		ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
2-Hexanone		ND	10		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Isopropy	ylbenzene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
4-Isopro	pyltoluene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
4-Methy	I-2-pentanone	ND	10		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Methyle	ne Chloride	ND	3.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
n-Butylb	enzene	ND	3.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
n-Propy	lbenzene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
sec-But	ylbenzene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Styrene		ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
tert-Buty	lbenzene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,1,1,2-	Tetrachloroethane	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,1,2,2-	Tetrachloroethane	ND	2.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Tetrachl	loroethene (PCE)	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
trans-1,2	2-DCE	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
trans-1,	3-Dichloropropene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,2,3-Tr	ichlorobenzene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,2,4-Tr	ichlorobenzene	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,1,1-Tr	ichloroethane	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,1,2-Tr	ichloroethane	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Trichlor	pethene (TCE)	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Trichlor	ofluoromethane	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
1,2,3-Tr	ichloropropane	ND	2.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Vinyl ch	loride	ND	1.0		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Xylenes	, Total	ND	1.5		µg/L	1	3/24/2020 2:57:28 AM	W67507			
Surr:	1,2-Dichloroethane-d4	102 7	0-130		%Rec	1	3/24/2020 2:57:28 AM	W67507			
Surr:	4-Bromofluorobenzene	96.1 7	0-130		%Rec	1	3/24/2020 2:57:28 AM	W67507			
Surr:	Dibromofluoromethane	99.3 7	0-130		%Rec	1	3/24/2020 2:57:28 AM	W67507			
Surr:	Toluene-d8	96.1 7	0-130		%Rec	1	3/24/2020 2:57:28 AM	W67507			

Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

* Value exceeds Maximum Contaminant Level.

Qualifiers:

D Sample Diluted Due to Matrix

 H
 Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT:EA EngineeringProject:Santa Fe Co Judicial ComplexLab ID:2003922-007

Client Sample ID: SB-C66-02 Collection Date: 3/12/2020 6:00:00 PM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0093	µg/L	1	3/23/2020 1:13:34 PM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	ua/L	1	3/24/2020 3:27:01 AM	W67507
Toluene	ND	1.0	µa/L	1	3/24/2020 3:27:01 AM	W67507
Ethylbenzene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 3:27:01 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 3:27:01 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/24/2020 3:27:01 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/24/2020 3:27:01 AM	W67507
Naphthalene	ND	2.0	μg/L	1	3/24/2020 3:27:01 AM	W67507
1-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
2-Methylnaphthalene	ND	4.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Acetone	ND	10	µg/L	1	3/24/2020 3:27:01 AM	W67507
Bromobenzene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Bromodichloromethane	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Bromoform	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Bromomethane	ND	3.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
2-Butanone	ND	10	µg/L	1	3/24/2020 3:27:01 AM	W67507
Carbon disulfide	ND	10	µg/L	1	3/24/2020 3:27:01 AM	W67507
Carbon Tetrachloride	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Chlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Chloroethane	ND	2.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Chloroform	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Chloromethane	ND	3.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
2-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
4-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
cis-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Dibromochloromethane	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Dibromomethane	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,2-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,4-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
Dichlorodifluoromethane	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507
1,2-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 3:27:01 AM	W67507

Matrix: AQUEOUS

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method BlankE Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 22

S % Recovery outside of range due to dilution or matrix

Date Reported: 3/27/2020

CLIENT:	EA Engineering	Client Sample ID: SB-C66-02									
Project:	Santa Fe Co Judicial Complex		(Collect	ion Dat	e: 3/1	2/2020 6:00:00 PM				
Lab ID:	2003922-007	Matrix: AQUEOUS		Received Date: 3/19/2020 1:50:00 PM							
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA MET	HOD 8260B: VOLATILES						Analyst	DJF			
1,3-Dichl	oropropane	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
2,2-Dichloropropane		ND	2.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,1-Dichl	oropropene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Hexachlo	probutadiene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
2-Hexand	one	ND	10		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Isopropyl	benzene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
4-Isoprop	byltoluene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
4-Methyl-	2-pentanone	ND	10		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Methylen	e Chloride	ND	3.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
n-Butylbe	enzene	ND	3.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
n-Propylk	benzene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
sec-Buty	lbenzene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Styrene		ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
tert-Butyl	benzene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,1,1,2-T	etrachloroethane	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,1,2,2-T	etrachloroethane	ND	2.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Tetrachlo	proethene (PCE)	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
trans-1,2	-DCE	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
trans-1,3	-Dichloropropene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,2,3-Tric	chlorobenzene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,2,4-Tric	chlorobenzene	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,1,1-Tric	chloroethane	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
1,1,2-Tric	chloroethane	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Trichloro	ethene (TCE)	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Trichloro	fluoromethane	ND	1.0		μg/L	1	3/24/2020 3:27:01 AM	W67507			
1,2,3-Tric	chloropropane	ND	2.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Vinyl chlo	bride	ND	1.0		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Xylenes,	Total	ND	1.5		µg/L	1	3/24/2020 3:27:01 AM	W67507			
Surr: 1	,2-Dichloroethane-d4	102 7	0-130		%Rec	1	3/24/2020 3:27:01 AM	W67507			
Surr: 4	-Bromofluorobenzene	90.1 7	0-130		%Rec	1	3/24/2020 3:27:01 AM	W67507			
Surr: D	Dibromofluoromethane	101 7	0-130		%Rec	1	3/24/2020 3:27:01 AM	W67507			
Surr: T	oluene-d8	94.4 7	0-130		%Rec	1	3/24/2020 3:27:01 AM	W67507			

Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers: *

* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 22

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

CLIENT: EA Engineering Santa Fe Co Judicial Complex **Project:** Lab ID: 2003922-008

Client Sample ID: SB-C66-01 Collection Date: 3/12/2020 4:45:00 PM

Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB					Analyst:	CLP
1,2-Dibromoethane	ND	0.0094	µg/L	1	3/23/2020 1:28:40 PM	51256
EPA METHOD 8260B: VOLATILES					Analyst:	DJF
Benzene	ND	1.0	ua/L	1	3/24/2020 3:56:31 AM	W67507
Toluene	ND	1.0	µ=9/=	1	3/24/2020 3:56:31 AM	W67507
Ethylbenzene	ND	1.0	μα/L	1	3/24/2020 3:56:31 AM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
Naphthalene	ND	2.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
2-Methylnaphthalene	ND	4.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
Acetone	ND	10	µg/L	1	3/24/2020 3:56:31 AM	W67507
Bromobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Bromodichloromethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Bromoform	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507
Bromomethane	ND	3.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
2-Butanone	ND	10	µg/L	1	3/24/2020 3:56:31 AM	W67507
Carbon disulfide	ND	10	µg/L	1	3/24/2020 3:56:31 AM	W67507
Carbon Tetrachloride	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Chlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Chloroethane	ND	2.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Chloroform	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Chloromethane	ND	3.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
2-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
4-Chlorotoluene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
cis-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
cis-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Dibromochloromethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Dibromomethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,2-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,3-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,4-Dichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
Dichlorodifluoromethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,1-Dichloroethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,1-Dichloroethene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507
1,2-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507

Matrix: AQUEOUS

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

в Analyte detected in the associated Method Blank Е Value above quantitation range

J Analyte detected below quantitation limits Р

Sample pH Not In Range

RL Reporting Limit Page 15 of 22

% Recovery outside of range due to dilution or matrix S

Date Reported: 3/27/2020

CLIENT:	EA Engineering
Project:	Santa Fe Co Judicial Complex

2003922-008

Lab ID:

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SB-C66-01 Collection Date: 3/12/2020 4:45:00 PM Received Date: 3/19/2020 1:50:00 PM

Matrix: AQUEOUS

ILCCCI.	- Cu	~u	 <i>Ji</i> .	/	-0-	• •	 .00

Analyses	Result	Result RL Qual Units DF Date Analyzed				Batch	
EPA METHOD 8260B: VOLATILES					Analyst	DJF	
1,3-Dichloropropane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
2,2-Dichloropropane	ND	2.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,1-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Hexachlorobutadiene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
2-Hexanone	ND	10	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Isopropylbenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
4-Isopropyltoluene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
4-Methyl-2-pentanone	ND	10	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Methylene Chloride	ND	3.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
n-Butylbenzene	ND	3.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
n-Propylbenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
sec-Butylbenzene	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507	
Styrene	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507	
tert-Butylbenzene	ND	1.0	μg/L	1	3/24/2020 3:56:31 AM	W67507	
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
trans-1,2-DCE	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,1,1-Trichloroethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,1,2-Trichloroethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Trichloroethene (TCE)	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Trichlorofluoromethane	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
1,2,3-Trichloropropane	ND	2.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Vinyl chloride	ND	1.0	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Xylenes, Total	ND	1.5	µg/L	1	3/24/2020 3:56:31 AM	W67507	
Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	1	3/24/2020 3:56:31 AM	W67507	
Surr: 4-Bromofluorobenzene	93.5	70-130	%Rec	1	3/24/2020 3:56:31 AM	W67507	
Surr: Dibromofluoromethane	105	70-130	%Rec	1	3/24/2020 3:56:31 AM	W67507	
Surr: Toluene-d8	98.0	70-130	%Rec	1	3/24/2020 3:56:31 AM	W67507	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

* **Qualifiers:**

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

в Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 16 of 22

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2020

Client Sample ID: Trip Blank **Collection Date:**

Project: Santa Fe Co Judicial Complex Lab ID: 2003922-009

CLIENT: EA Engineering

Matrix: TRIP BLANK Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8011/504.1: EDB						Analyst	CLP
1,2-Dibromoethane	ND	0.0094		µg/L	1	3/23/2020 1:43:47 PM	51256
EPA METHOD 8260B: VOLATILES						Analyst	DJF
Benzene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Toluene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Ethylbenzene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Naphthalene	ND	2.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1-Methylnaphthalene	ND	4.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
2-Methylnaphthalene	ND	4.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Acetone	ND	10		µg/L	1	3/23/2020 10:01:14 PM	W67507
Bromobenzene	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
Bromodichloromethane	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
Bromoform	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Bromomethane	ND	3.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
2-Butanone	ND	10		µg/L	1	3/23/2020 10:01:14 PM	W67507
Carbon disulfide	ND	10		µg/L	1	3/23/2020 10:01:14 PM	W67507
Carbon Tetrachloride	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
Chlorobenzene	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
Chloroethane	ND	2.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
Chloroform	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Chloromethane	ND	3.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
2-Chlorotoluene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
4-Chlorotoluene	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
cis-1,2-DCE	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Dibromochloromethane	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
Dibromomethane	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1.2-Dichlorobenzene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1.3-Dichlorobenzene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1.4-Dichlorobenzene	ND	1.0		ua/L	1	3/23/2020 10:01:14 PM	W67507
Dichlorodifluoromethane	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
1,1-Dichloroethane	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507
1,1-Dichloroethene	ND	1.0		µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2-Dichloropropane	ND	1.0		μg/L	1	3/23/2020 10:01:14 PM	W67507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits Р

Sample pH Not In Range

RL Reporting Limit Page 17 of 22

Date Reported: 3/27/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: Trip Blank **Collection Date:**

Project: Santa Fe Co Judicial Complex 2003922-009

CLIENT: EA Engineering

Lab ID:

Matrix: TRIP BLANK Received Date: 3/19/2020 1:50:00 PM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	DJF
1,3-Dichloropropane	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
2,2-Dichloropropane	ND	2.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,1-Dichloropropene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Hexachlorobutadiene	ND	1.0	μg/L	1	3/23/2020 10:01:14 PM	W67507
2-Hexanone	ND	10	μg/L	1	3/23/2020 10:01:14 PM	W67507
Isopropylbenzene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
4-Isopropyltoluene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
4-Methyl-2-pentanone	ND	10	µg/L	1	3/23/2020 10:01:14 PM	W67507
Methylene Chloride	ND	3.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
n-Butylbenzene	ND	3.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
n-Propylbenzene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
sec-Butylbenzene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Styrene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
tert-Butylbenzene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
trans-1,2-DCE	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,1,1-Trichloroethane	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,1,2-Trichloroethane	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Trichloroethene (TCE)	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Trichlorofluoromethane	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
1,2,3-Trichloropropane	ND	2.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Vinyl chloride	ND	1.0	µg/L	1	3/23/2020 10:01:14 PM	W67507
Xylenes, Total	ND	1.5	µg/L	1	3/23/2020 10:01:14 PM	W67507
Surr: 1,2-Dichloroethane-d4	104	70-130	%Rec	1	3/23/2020 10:01:14 PM	W67507
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	3/23/2020 10:01:14 PM	W67507
Surr: Dibromofluoromethane	102	70-130	%Rec	1	3/23/2020 10:01:14 PM	W67507
Surr: Toluene-d8	94.5	70-130	%Rec	1	3/23/2020 10:01:14 PM	W67507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

* Value exceeds Maximum Contaminant Level.

Qualifiers:

D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range

RL Reporting Limit Page 18 of 22

Р

Client:	EA Eng	gineering								
Project:	Santa F	e Co Judicial Com	plex							
Sample ID:	MB-51256	SampType: M	BLK	Tes	tCode: EP/	A Method	8011/504.1: E	DB		
Client ID:	PBW	Batch ID: 5	256	F	RunNo: 67 4	485				
Prep Date:	3/23/2020	Analysis Date: 3	/23/2020	S	SeqNo: 232	29298	Units: µg/L			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoeth	ane	ND 0.010								
Sample ID:	LCS-51256	SampType: L	cs	Tes	tCode: EP/	A Method	8011/504.1: E	DB		
Client ID:	LCSW	Batch ID: 5	256	F	RunNo: 674	485				
Prep Date:	3/23/2020	Analysis Date: 3	/23/2020	S	SeqNo: 232	29299	Units: µg/L			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoeth	ane	0.11 0.010	0.1000	0	111	70	130			
Sample ID:	LCSD-51256	SampType: L	CSD	Tes	tCode: EP/	A Method	8011/504.1: E	DB		
Client ID:	LCSS02	Batch ID: 5	256	F	RunNo: 674	485				
Prep Date:	3/23/2020	Analysis Date: 3	/23/2020	S	SeqNo: 232	29300	Units: µg/L			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoeth	ane	0.11 0.010	0.1000	0	108	70	130	2.96	20	
Sample ID:	MB-51256	SampType: M	BLK	Tes	tCode: EP/	A Method	8011/504.1: E	DB		
Client ID:	PBW	Batch ID: 5	256	F	RunNo: 674	485				
Prep Date:	3/23/2020	Analysis Date: 3	/23/2020	S	SeqNo: 232	29302	Units: µg/L			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromoeth	ane	ND 0.010)							

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 19 of 22

Client: EA	Engineering									
Project: Sant	ta Fe Co Judicia	al Com	plex							
Sample ID: mb1	SampT	Гуре: М	BLK	Tes	stCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	Batcl	h ID: W	67507	1	RunNo: 6	67507				
Prep Date:	Analysis D	Date: 3	/23/2020	:	SeqNo: 2	2330281	Units: µg/L			
Analyte	Result	POL	SPK value	SPK Ref Val	· %REC	l owl imit	Highl imit	%RPD	RPDI imit	Qual
Benzene	ND	1.0		or renter var	JUILEO	LOWEIIIII	i lighEinn	701 CI D		Quui
Toluene	ND	1.0)							
Fthylbenzene	ND	1.0)							
Methyl tert-butyl ether (MTBF)	ND	1.0)							
124-Trimethylbenzene	ND	1.0)							
1.3.5-Trimethylbenzene	ND	1.0)							
1.2-Dichloroethane (EDC)	ND	1.0)							
1.2-Dibromoethane (EDB)	ND	1.0)							
Naphthalene	ND	2.0)							
1-Methylnaphthalene	ND	4.0)							
2-Methylnaphthalene	ND	4.0)							
Acetone	ND	10)							
Bromobenzene	ND	1.0)							
Bromodichloromethane	ND	1.0)							
Bromoform	ND	1.0)							
Bromomethane	ND	3.0)							
2-Butanone	ND	10)							
Carbon disulfide	ND	10)							
Carbon Tetrachloride	ND	1.0)							
Chlorobenzene	ND	1.0)							
Chloroethane	ND	2.0)							
Chloroform	ND	1.0)							
Chloromethane	ND	3.0)							
2-Chlorotoluene	ND	1.0)							
4-Chlorotoluene	ND	1.0)							
cis-1,2-DCE	ND	1.0)							
cis-1,3-Dichloropropene	ND	1.0)							
1,2-Dibromo-3-chloropropane	ND	2.0)							
Dibromochloromethane	ND	1.0)							
Dibromomethane	ND	1.0)							
1,2-Dichlorobenzene	ND	1.0)							
1,3-Dichlorobenzene	ND	1.0)							
1,4-Dichlorobenzene	ND	1.0)							
Dichlorodifluoromethane	ND	1.0)							
1,1-Dichloroethane	ND	1.0)							
1,1-Dichloroethene	ND	1.0)							
1,2-Dichloropropane	ND	1.0)							
1,3-Dichloropropane	ND	1.0)							
2,2-Dichloropropane	ND	2.0)							

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Е Value above quantitation range

J Analyte detected below quantitation limits Р Sample pH Not In Range

RL Reporting Limit

В Analyte detected in the associated Method Blank

Client:	EA Engineering									
Project:	Santa Fe Co Jud	icial Comp	olex							
Sample ID: mb1	Sar	mpType: M I	BLK	Tes	tCode: E	PA Method	8260B: VOL	ATILES		
Client ID: PBW	В	atch ID: W	67507	F	RunNo: 6	7507				
Prep Date:	Analys	is Date: 3/	23/2020	S	SeqNo: 2	330281	Units: µg/L			
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	NI	D 1.0								
Hexachlorobutadiene	NI	D 1.0								
2-Hexanone	NI	D 10								
Isopropylbenzene	NI	D 1.0								
4-Isopropyltoluene	NI	D 1.0								
4-Methyl-2-pentanone	NI	D 10								
Methylene Chloride	NI	D 3.0								
n-Butylbenzene	NI	D 3.0								
n-Propylbenzene	N	D 1.0								
sec-Butylbenzene	N	D 1.0								
Styrene	N	D 1.0								
tert-Butylbenzene	N	D 1.0								
1,1,1,2-Tetrachloroethane	N	D 1.0								
1,1,2,2-Tetrachloroethane	N	D 2.0								
Tetrachloroethene (PCE)	NI	D 1.0								
trans-1,2-DCE	NI	D 1.0								
trans-1,3-Dichloropropene	e NI	D 1.0								
1,2,3-Trichlorobenzene	NI	D 1.0								
1,2,4-Trichlorobenzene	NI	D 1.0								
1,1,1-Trichloroethane	NI	D 1.0								
1,1,2-Trichloroethane	NI	D 1.0								
Trichloroethene (TCE)	NI	D 1.0								
Trichlorofluoromethane	NI	D 1.0								
1,2,3-Trichloropropane	NI	D 2.0								
Vinyl chloride	NI	D 1.0								
Xylenes, Total	NI	D 1.5								
Surr: 1,2-Dichloroethan	e-d4 9.	4	10.00		93.7	70	130			
Surr: 4-Bromofluoroben	zene 9.	4	10.00		94.4	70	130			
Surr: Dibromofluoromet	hane 9.	1	10.00		91.5	70	130			
Surr: Toluene-d8	9.	9	10.00		99.2	70	130			
Sample ID: 100ng lo	csb Sar	mpType: LC	s	Tes	stCode: E	PA Method	8260B: VOL	ATILES		

Sample ID. Tuung ICSD	Sampi	ype. LC	3	165		Aimethou	0200D. VUL	ATILES		
Client ID: LCSW	Batch	n ID: We	67507	F	RunNo: 6	7507				
Prep Date:	Analysis D	ate: 3/	23/2020	5	SeqNo: 2	330282	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.6	70	130			
Toluene	19	1.0	20.00	0	92.7	70	130			
Chlorobenzene	19	1.0	20.00	0	97.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 21 of 22

B Analyte detected in the associated Method Blank

WO#: 2003922 27-Mar-20

Client:	EA Engin	eering									
Project:	Santa Fe	Co Judicia	al Comp	olex							
Sample ID: 100ng	lcsb	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW		Batc	h ID: W	67507	F	RunNo: 6	7507				
Prep Date:		Analysis E	Date: 3/	23/2020	S	SeqNo: 2	330282	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		21	1.0	20.00	0	104	70	130			
Trichloroethene (TCE)		19	1.0	20.00	0	92.7	70	130			
Surr: 1,2-Dichloroetha	ne-d4	9.9		10.00		99.1	70	130			
Surr: 4-Bromofluorobe	enzene	9.0		10.00		90.3	70	130			
Surr: Dibromofluorome	ethane	9.4		10.00		93.8	70	130			
Surr: Toluene-d8		9.2		10.00		91.7	70	130			
Sample ID: mb1		SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: PBW		Batc	h ID: W	67534	F	RunNo: 6	7534				
Prep Date:		Analysis E	Date: 3/	24/2020	S	SeqNo: 2	331516	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acetone		ND	10								
Surr: 1,2-Dichloroetha	ne-d4	10		10.00		102	70	130			
Surr: 4-Bromofluorobe	nzene	9.0		10.00		89.9	70	130			
Surr: Dibromofluorome	ethane	10		10.00		105	70	130			
Surr: Toluene-d8		10		10.00		100	70	130			
Sample ID: 100ng	lcs	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8260B: VOL	ATILES		
Client ID: LCSW		Batc	h ID: W	67534	F	RunNo: 6	7534				
Prep Date:		Analysis E	Date: 3/	24/2020	S	SeqNo: 2	331517	Units: %Re	6		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroetha	ne-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobe	nzene	8.6		10.00		85.8	70	130			
Surr: Dibromofluorome	ethane	11		10.00		108	70	130			
Surr: Toluene-d8		9.0		10.00		89.6	70	130			

Qualifiers:

-

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345- <u>-</u> Website: ww	49 Albuquer 1975 FAX: w.hallenvi	vsis Labor 01 Hawkir que, NM 8 505-345- ronmental	atory 18 NE 7109 Sa 4107 .com	mple Log-In Check List
Client Name: EA Engineering Alb	Work Order Num	ber: 200	3922		RcptNo: 1
Received By: Desiree Dominguez	3/19/2020 1:50:00	PM		Đ	
Completed By: Yazmine Garduno Reviewed By: V 6 3/20/120	3/19/2020 3:47:14	PM		Ylazmäre leftredes	б
Chain of Custody					
1. Is Chain of Custody sufficiently complete?		Yes		No 🗌	Not Present
2. How was the sample delivered?		<u>Clier</u>	<u>1t</u>		
<u>Log In</u>					
3. Was an attempt made to cool the samples?		Yes		No 🗌	NA 🗌
4. Were all samples received at a temperature of	f >0° C to 6.0°C	Yes		No 🗌	
5. Sample(s) in proper container(s)?		Yes		No 🗌	
6. Sufficient sample volume for indicated test(s)?	,	Yes	\checkmark	No 🗌	
7. Are samples (except VOA and ONG) properly	preserved?	Yes			
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗌
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Vec		No 🗍	
10. Were any sample containers received broken	2	Vee			
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No 🗌	# of preserved bottles checked for pH:
12, Are matrices correctly identified on Chain of Co	ustody?	Yes	V	No 🗌	Adjusted?
13. Is it clear what analyses were requested?		Yes	✓	No 🗌	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	✓	No 🗌	Checked by: DAD 3/20/20
<u>Special Handling (if applicable)</u>					
15. Was client notified of all discrepancies with thi	s order?	Yes		No 🗌	NA 🗹
Person Notified: By Whom: Regarding:	Date: Via:	🗌 eMai	i [] Ph	one [] Fax	In Person
	· · · · · · · · · · · · · · · · · · ·	· · · · _ · · · · ·			
16. Additional remarks: 17. Cooler Information Cooler No Temp °C Cooler No Temp °C 1 5.6	Intact Seal No	Seal Dat	e	igned By	

_	<u>Chair</u>	D-of-C	ustody Record	Turn-Aroun	d Time:									
Client	: <i>ε</i> Α {	wheel	j.	≰_Standa	d 🗆 Rus	E		HAI		N	IRO	NMEI	NTA	لِت
		0	D	Project Nan				Z		SIS	Z	BORA	TOT	Ž
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Phone	<u>;#:</u> 5	05-2	35-9037	Bertene	Plume D	e l'ruch'e A		040-040-0	/J Ana	rax 5 Mais F	UD-345	-4107		
email	or Fax#:	MMC	ver eaest. com	Project Man	ager:		((₽ •		() 			
QA/QC	: Package			M.Y.	ve Mel	ley	ן,s אפס סצו)	S		5	juəs			
🕱 Sta	Indard		Level 4 (Full Validation)	-	-	1	8) s	WIS	*0c	001				
Accret	ditation: LAC	□ Az C □ Othe	ompliance	Sampler:	JOSHUN M	esseng-er	אמי) (אמ / מאי 1 2808 ו	۰ 8270 ۱.1)	! ^{'z} ON	90	resent)			
	D (Type)			# of Coolers	ene :		nes/ ਤਸਟ 3E /	10 0 09 P	 ⊒IS	778	A0\ 			
				Cooler Tem	D(Including CF): 5	9-0.3-5.6 (C)	MTE 5D((2834 0041e	i9M NU	(AC	/-ime motil			<u> </u>
				Container	Preservative	HEAE NO	기 L ^G 1:801 기 Z	vd sł	8 A5 		il Col			
Date	Time	Matrix	Sample Name	Type and #	Type	2003Am	ата Чат 808	- AH	сі, ғ Сі, ғ	978)/28 EtoT			<u> </u>
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		-					SME	serg	er e	ela	<u>est.</u>	Com		
	li fiecessary,	samples suc	imitted to Hall Environmental may be subcon	ntracted to other a	scredited laboratories	s. This serves as notice of this	oossibility. Any sub-c	ontracted da	ta will be	clearly no	itated on th	te analytical rep	port.]



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 31, 2020

Mike McVey EA Engineering 320 Gold Ave SW Suite 1210 Albuquerque, NM 87102 TEL: (505) 369-3149 FAX

RE: SFCJC

OrderNo.: 2003A39

Dear Mike McVey:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/23/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2003A39 Date Reported: 3/31/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering

Project: SFCJC

Client Sample ID: SFCJC-IDW-03222020 Collection Date: 3/22/2020 3:00:00 PM Beceived Date: 3/23/2020 3:10:00 PM

Lab ID: 2003A39-001	Matrix: SOIL		Received Dat	e: 3/2	23/2020 3:10:00 PM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 6010B: SOIL METALS					Analyst	ELS
Lead	2.3	0.59	mg/Kg	2	3/27/2020 7:48:09 AM	51352
EPA METHOD 8260B: VOLATILES SHOP	RT LIST				Analyst	: JMR
Benzene	ND	0.025	mg/Kg	1	3/26/2020 5:09:25 PM	51298
Toluene	ND	0.050	mg/Kg	1	3/26/2020 5:09:25 PM	51298
Ethylbenzene	ND	0.050	mg/Kg	1	3/26/2020 5:09:25 PM	51298
Xylenes, Total	ND	0.10	mg/Kg	1	3/26/2020 5:09:25 PM	51298
Surr: 1,2-Dichloroethane-d4	92.5	70-130	%Rec	1	3/26/2020 5:09:25 PM	51298
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	3/26/2020 5:09:25 PM	51298
Surr: Dibromofluoromethane	93.6	70-130	%Rec	1	3/26/2020 5:09:25 PM	51298
Surr: Toluene-d8	106	70-130	%Rec	1	3/26/2020 5:09:25 PM	51298

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 3

WO#: 2003A39

31-Mar-20

Client:	EA Engineering
Project:	SFCJC

Sample ID: Ics-51298	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: LCSS	Batc	h ID: 512	298	F	RunNo: 6	7556				
Prep Date: 3/24/2020	Analysis [Date: 3/	25/2020	S	SeqNo: 2	332992	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.2	70	130			
Toluene	1.0	0.050	1.000	0	104	70	130			
Ethylbenzene	1.1	0.050	1.000	0	108	70	130			
Xylenes, Total	3.3	0.10	3.000	0	108	70	130			
Surr: 1,2-Dichloroethane-d4	0.38		0.5000		75.6	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.1	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.2	70	130			
Surr: Toluene-d8	0.48		0.5000		95.1	70	130			
Sample ID: mb-51298	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Sample ID: mb-51298 Client ID: PBS	Samp] Batc	Гуре: МЕ h ID: 51 :	3LK 298	Tes F	tCode: El RunNo: 6	PA Method 7556	8260B: Vola	tiles Short	List	
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020	Samp Batc Analysis [Гуре: МЕ h ID: 51 2 Date: 3 /	3LK 298 26/2020	Tes F S	tCode: El RunNo: 6 SeqNo: 2	PA Method 7556 332993	8260B: Vola Units: mg/k	tiles Short (g	List	
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte	Samp Batc Analysis [Result	Гуре: МЕ h ID: 51 2 Date: 3 /2 PQL	3LK 298 26/2020 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC	PA Method 7556 332993 LowLimit	8260B: Vola Units: mg/k HighLimit	tiles Short (g %RPD	List	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene	Samp Batc Analysis I Result ND	Гуре: МЕ h ID: 51 Date: 3/ PQL 0.025	BLK 298 26/2020 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC	PA Method 7556 332993 LowLimit	8260B: Vola Units: mg/K HighLimit	tiles Short (g %RPD	List RPDLimit	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene Toluene	Samp Batc Analysis I Result ND ND	Гуре: МЕ h ID: 51 Date: 3/ PQL 0.025 0.050	3LK 298 26/2020 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC	PA Method 7556 332993 LowLimit	8260B: Vola Units: mg/k HighLimit	tiles Short (g %RPD	List RPDLimit	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene Toluene Ethylbenzene	Samp Batc Analysis I Result ND ND ND	Type: ME h ID: 51 Date: 3 PQL 0.025 0.050 0.050	3LK 298 26/2020 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC	PA Method 7556 332993 LowLimit	8260B: Vola Units: mg/k HighLimit	tiles Short (g %RPD	List RPDLimit	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batc Analysis I Result ND ND ND ND	Type: ME h ID: 512 Date: 3/2 PQL 0.025 0.050 0.050 0.10	BLK 298 26/2020 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC	PA Method 7556 332993 LowLimit	8260B: Vola Units: mg/k HighLimit	tiles Short (g %RPD	List RPDLimit	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Samp Batc Analysis I Result ND ND ND ND 0.40	Type: ME h ID: 512 Date: 3/2 PQL 0.025 0.050 0.050 0.10	3LK 298 26/2020 SPK value 0.5000	Tes F SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC 79.4	PA Method 7556 332993 LowLimit 70	8260B: Volar Units: mg/F HighLimit 130	tiles Short (g %RPD	List RPDLimit	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	Samp Batc Analysis I Result ND ND ND ND 0.40 0.46	Type: ME h ID: 512 Date: 3/2 PQL 0.025 0.050 0.050 0.10	3LK 298 26/2020 SPK value 0.5000 0.5000	Tes F SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC 79.4 91.1	PA Method 7556 332993 LowLimit 70 70	8260B: Volar Units: mg/K HighLimit 130 130	tiles Short (g %RPD	List	Qual
Sample ID: mb-51298 Client ID: PBS Prep Date: 3/24/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane	Samp Batc Analysis I Result ND ND ND 0.40 0.40 0.48	Type: ME h ID: 512 Date: 3/2 0.025 0.050 0.050 0.10	3LK 298 26/2020 SPK value 0.5000 0.5000 0.5000	Tes F SPK Ref Val	tCode: El RunNo: 6 SeqNo: 2 %REC 79.4 91.1 95.9	PA Method 7556 332993 LowLimit 70 70 70 70	8260B: Volar Units: mg/k HighLimit 130 130 130	tiles Short (g %RPD	List	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Client: Project:	EA Engi SFCJC	ineering					
Sample ID	: LCS-51352	SampType: LCS	Tes	stCode: EPA Method	6010B: Soil Metals		
Client ID:	LCSS	Batch ID: 51352		RunNo: 67628			
Prep Date:	3/26/2020	Analysis Date: 3/27/20	020	SeqNo: 2334733	Units: mg/Kg		
Analyte		Result PQL SPI	K value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Lead		26 0.30	25.00 0	102 80	120		
Sample ID	: MB-51352	SampType: MBLK	Tes	stCode: EPA Method	6010B: Soil Metals		
Client ID:	PBS	Batch ID: 51352		RunNo: 67628			
Prep Date:	3/26/2020	Analysis Date: 3/27/20	020	SeqNo: 2334735	Units: mg/Kg		
Analyte		Result PQL SPI	K value SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Lead		ND 0.30					

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Р
- Sample pH Not In Range
- RL Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	Analysis Labora 4901 Hawkins uquerque, NM 87 FAX: 505-345-4 illenvironmental.	tory : NE :109 San :107 com	Sample Log-In Check List				
Client Name: EA Engineering Alb	Work Order Number:	2003A39		RcptNo: 1				
Received By: Desiree Dominguez Completed By: Desiree Dominguez Reviewed By: JR S but la c	3/23/2020 3:10:00 PM 3/23/2020 4:30:29 PM		Dr.					
0F 3129/20								
Chain of Custody Is Chain of Custody sufficiently complete?		Yes 🗸	No 🗌	Not Present				
2. How was the sample delivered?		<u>Client</u>						
Log In								
3. Was an attempt made to cool the samples?		Yes 🔽	No 🗌	NA 🗔				
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗌				
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌					
6. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗌					
7. Are samples (except VOA and ONG) properl	y preserved?	Yes 🗹	No 🗌					
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗌				
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes 🗌	No 🗌	NA 🔽				
10. Were any sample containers received broke	n?	Yes	No 🗹 🏻	# of preserved				
11. Does paperwork match bottle labels?		Yes 🗹	No 🗌	bottles checked for pH:	unless noted)			
12 Are matrices correctly identified on Chain of	Custodv?	Yes 🔽	No 🗆	Adjusted?				
13. Is it clear what analyses were requested?	•	Yes 🔽	No 🗌					
14. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by: DAD	3124/20			
Special Handling (if applicable)			٤-					
15. Was client notified of all discrepancies with t	his order?	Yes	No 🗌	NA 🔽				
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via:	eMail 📄 Pr	none 🗌 Fax	In Person				
16. Additional remarks:								

17. Cooler Information

Cooler No Temp	C Conditio	on Seal Intact Se	al No 👘 Seal	Date Signed By
1 4.3	Good	Not Present	AN A	

		www.hallenvironmental.com	1901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	()u	N/Wpzee SUW2	All 1 (1) (1) (1) (1) (1) (1) (1) (1)	atici atici 833 Mei 93 Mei 100 100 100	8081 Рес 8081 Рес РАНЗ Ру ССІ, F, Br 8270 (Se 761д/ Тотаl Col								these can be the the s	Dena leguera le	mmever warshirm	jmessenger le paest. com
Irr-Around Time:	Standard 🗆 Rush	oject Name:		oject# 124702		oject Manager: 🔁	Mike McVey	Impler: J. Messerger	voler Tempinetretine ten: H, 0, 40, 4 = U, 7, (°C)	ntainer Preservative ACO 3A39	Howing N/A - DDI							ceived by: Via: Date Time Ren	D 000 3/13/26 15:10	ceived by: Via: Date Time	
Chain-of-Custody Record	mi EA Engineoring	Mike MeVey	IIING Address: 370 Gold Ave. SW Sk, 1300	Albuquenque, NM 87102 Pr	ne #: 505-235-9037	ail or Fax#: MMCVEY @ EDEST. COMP Pr	QC Package: / / / ordel 4 /Eult Validation)	reditation: Az Compliance Sa Viet AC C		e Time Matrix Sample Name	2. 1500 S.: 1 SECTC-10W- 0322262.0 1							: Time: Retinquished by: Re	the 1510 J. Messenger 12	9: Time: Relinquished by: Rel	

uny. Auty notice of this poss 9 If necessary, samples submitted to Hall Environmental may be subconti

ATTACHMENT 4 WASTE MANIFEST

	Contaminated Soils Shipment Manifest	anifest Document No. 2. 0 2 0 0 1 Page of
	3. Generator's Name and Majling Address, EA ENGINEERING - NMED Sa Oburty I	Hafe 4. Generator Phone No.
	Sauta Fe, NM 40172	5. Generator Contact
	6. Transporter 1 Company Name	7. ID No. 16704876
	8. Transporter 2 Company Name	9. ID No.
	10. Designated Disposal Facility Name and Site Address Gandy Marley, Inc. Contaminated Soils Landfarm 7200 East Second Street	11. Facility Permit Number $DP - 10411$
	PO Box 1658 Roswell, NM 88201	12. Facility Phone No. (575) 398-0107
G E	G POH 20108	14. Containers15. Total16. UnitNoTypeQuantityWt.Vol.
N E R	R Purge water	Hdolens 220 gal
T O R	R Soil Cuttings	22 drams 6 uards
	с	
	17. Special Handling Instructions and Additional Information	
	18. Generator's Certification: I hereby declare that the contents of the consignment are are classified, packed, marked, and labeled, and are in a to applicable federal, state, and international laws.	fully and accurately described above by proper shipping name and Il respects in proper condition for transport by highway according
	FURTHER. I represent and warrant that the waste mater. Conservation and Recovery Act of 1976, OR has been laboratory analysis done in accordance with EPA-approv.	ial as described on this manifest is either exempt from the Resource characterized as non-hazardous material by virtue of appropriate ed testing methods.
т	Printed/Typed Name Signature	Date
R A N S P	R 19. Transporter 1 Acknowledgement of Receipt of Materials Printed/Aped Name S P P S S S S S S S S S S S S S S S S S S S	Date 0 4 1 3 20
R T E R	R 20. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	Date
G M	21. Discrepancy Information	
1	22. Facility Owner or Operator Certification of receipt of materials described on this manifest of	except as noted in item 21.
	Printed/Typed Name Kimberly Milliphy Signature Rimiters	4 Murphy Date 04/13/20

ATTACHMENT 5 SOIL BORING LOGS

E, ar	A Engin nd Tech	eering, S nology, I	science, nc., PBC		Project: Client: Start Da Comple	634 NM ate an	17002 ED - Petroleum Stora nd Time: 3/13/2020 Date and Time: 3/2 ⁻	age Tank Bureau 1025 1/2020 1545	WELL LOG Well ID: SB-1 Adjacent to MW-4R Page: 1 of 3
Drillin Drillin Driller Geolo	g Comp g Metho : Chris gist: J.	any: Ca od: Geop Kudlars/ Messen	scade probe/Holl /Robbie G ger	ow St oldea	tem Au	ger		Boring Depth (ft): 90 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: 8040 DT/B59	
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	(vmqq) DIA	nscs	Lithology		Sample Description	
0					SM		Asphalt and road to Silty sand with gra 50% fine to coarse subrounded; 30%	base. vel: 7.5YR 5/3, brown; loose to sli e sand; 20% gravel to 3"; trace co silt, nonplastic.	ightly cohesive; slightly moist; bble up to 4-1/4"; angular to
5 - -	SL		5-7	0.0	GW		Well graded grave fine to coarse sand	el with sand: 5YR 5/6, yellowish re d; 60% gravel to 2''; angular to sul	d; loose; slightly moist; 40% brounded.
- 10 -	SL		10-12	0.0	SC		Clayey sand: 7.5Y sand; trace gravel Well-graded sand coarse sand; 5% g Gravel exists as 1-	R 4/3, brown; medium dense; slig to 3/4"; angular to subrounded; 3 with silt: 7.5YR 4/3, brown; loose; gravel up to 1"; subangular to rour -2" lenses. At 10 ft, 5YR 5/4, redd	htly moist; 70% fine to medium 0% clay, slightly plastic. ; slightly moist; 85% fine to nded; 10% silt, nonplastic. ish brown; trace clay. At 17 ft,
- 15 - -	SL		15-17	0.1			At 26 ft, trace clay	and clay content increasing with	depth.
- 20 - -	SL		20-22	0.0	SW- SM				
- 25 - -	SL		25-27	0.0					
30 35	SL	34/50 (5")	28-30) 30-32	1.4	SP- SC		Poorly graded san fine to medium sa slightly plastic. At 3	d with clay: 5YR 4/4, reddish brov nd; 5% gravel to 3/4"; subangular 34 ft, wet; slight hydrocarbon odoi	vn; dense; slightly moist; 85% to subrounded; 10% clay, r present.

E	A Engine nd Techr	eering, S hology, I	science, nc., PBC		Project Client: Start Da Comple	634 NMI ate ar	7002 ED - Petroleum Storage Tank Bureau nd Time: 3/13/2020 1025 Date and Time: 3/21/2020 1545	WELL LOG Well ID: SB-1 Adjacent to MW-4R Page: 2 of 3					
Drillin Drillin Driller Geolo	g Compa g Methoo ∵ Chris gist: J.	any: Cas d: Geop Kudlars/ Messeng	scade probe/Hol Robbie G ger	llow Sf Goldea	tem Au	ger	Boring Depth (ft): 90 Boring Diameter (in): 81/4" C Drill Rig Type: 8040 DT/B59	D					
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ff)	DID (vmqq)	nscs	Lithology	Sample Description						
- - -	SS	50 (5")	35-37	2.5			Well-graded sand with gravel: 5YR 4/4, reddish l coarse sand; 40% gravel to 1-1/2"; subangular to with 1-2" clay lenses.	prown; dense; moist; 60% fine to rounded; trace silt. Interbedded					
- 40 - - -	SS	8/50 (5")	40-42	11.5	sw								
- 45 - - -	SS	24/34/36	45-47	365.8	SP		Poorly graded sand: 5YR 4/6, yellowish red; den subangular to subrounded; 5% silt, nonplastic; m	se; wet; 95% fine sand; oderate hydrocarbon odor.					
- 50 - - -	SS	24/50	50-52	55.6	SP/ SW	╊┝┝┝┝┝┝┝	Same as above at 50 ft - Interbedded with well-g moderate hydrocarbon odor.	raded sand with gravel to 1-1/4";					
55 - - -	SS	35/35	55-57	49.8			Poorly-graded sand with silt: 5YR 5/4, reddish br 10% silt, nonplastic; slight hydrocarbon odor. At	own; dense; wet; 90% fine sand; 55 ft, moderate hydrocarbon odor.					
60 - - -	SS	13/29/34	60-62	651.7	SP- SM								
- 65 - - - - 70	SS	22/54/50 (4")	65-67	587.4	sw		Well-graded sand with gravel: 5YR 5/4, reddish brown; dense; wet; 80% fine to coarse sand; 20% gravel to 1-1/2"; subangular to subrounded; trace silt; moderate hydrocarbon odor.						

E	A Engine nd Techi	eering, S hology, li	cience, nc., PBC		Project: Client: Start Da Comple	634 NM ate ar	7002 ED - Petroleum Storage Tank Bureau nd Time: 3/13/2020 1025 Date and Time: 3/21/2020 1545	WELL LOG Well ID: SB-1 Adjacent to MW-4R Page: 3 of 3
Drillin Drillin Driller Geolo	g Compa g Metho : Chris gist: J.	any: Cas d: Geop Kudlars/ Messeng	scade probe/Hol Robbie G ger	Boring Depth (ft): 90 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: 8040 DT/B59				
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	DIA (hund)	nscs	Lithology	Sample Description	
- - - - 75 -	SS	50 (6")/100 (5") 6/6/45	70-72 75-77	387.0	GW GW		Well-graded gravel with sand: 5YR 5/4, reddish bro coarse sand; 70% gravel to 1-1/2"; rounded; trace s Poorly graded sand: 5YR 4/6, yellowish red; mediur medium sand; subrounded; 5% silt, nonplastic; wea	wn; dense; wet; 30% fine to silt; slight hydrocarbon odor. n dense; wet; 95% fine to sk hydrocarbon odor.
- - 80 - - -	SS	27/50 (3")	80-82	11.0	SP- SM		Poorly graded sand with silt: 5YR 4/6, yellowish red 90% fine sand; rounded; 10% silt, nonplastic.	; loose to medium dense; wet;
- 85 - - - - 90	SS SS	6/6/15 5/51/50	85-87 90-92	41.0	SP		Poorly graded sand: 5YR 5/3, reddish brown; loose fine sand; trace gravel to 3/4"; rounded; 5% silt, nor	to medium dense; wet; 95% iplastic.

E	A Engin nd Tech	eering, S nology, I	science, nc., PBC	F C S C	Project: Client: Start Da Comple	634 NM ate ar	47002 ED Petroleum Storag nd Time: 3/20/2020 Date and Time: 3/21	ye Tank Bureau 1200 //2020 1140	WELL LOG Well ID: SB-2 Adjacent to MW-1R Page: 1 of 3
Drillin Drillin Driller Geolo	g Compa g Metho ∵ Matt C gist: J.	any: Ca d: Hollo Cain Messen	scade ow Stem / ger	Auger				Boring Depth (ft): 80 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: CME 85	
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	(vmqq)	nscs	Lithology		Sample Description	
0 	SS	25/50 (5") 23/32/33	20-22 25-27	0.7	GW- GM		Asphalt and road b @1 ft - Sandy clay: gravel to 2"; subrou @2 ft - Clayey sand fine sand; trace gra plastic. @3 ft - Silty sand: 15% silt, nonplastic @5 ft - Well-graded moist; 30% fine sa nonplastic. Well-graded sand coarse sand; 25%	wase. : 7.5YR 4/3, brown; soft; slightly r unded; 70% clay, slightly plastic. d: 7.5YR 3/2, very dark grayish b avel to 2"; trace cobble to 4"; suba- 5YR 4/4, reddish brown; loose; sl : 5YR 4/4, reddish brown; loose; sl : d gravel with silt and sand: 7.5YR nd; 60% gravel up to 3"; trace co with gravel: 7.5YR 4/3, brown; loo gravel to 1-1/2"; trace cobble; rou with clay: 7.5YR 4/4, brown; med t; 10% gravel to 1"; subangular to as nodules to 1/2". Weak stainin	noist; 30% fine sand; trace rown; loose; slightly moist; 70% rounded; 30% clay, slightly ightly moist; 85% fine sand; 8 4/3, brown; loose; slightly bble; rounded; 10% silt, ose; slightly moist; 60% fine to unded; 5% silt, nonplastic.
- - - - - - 35	SS	15/50 (5")	30-32	227.9	SW- SC		5YR 4/4, reddish b	rown; moist; weak hydrocarbon c	odor.

E, ar	A Engin nd Tech	eering, S nology, I	cience, nc., PBC		Project: Client: Start Da Comple	634 NM ate ar	47002 ED Petroleum Storage nd Time: 3/20/2020 12 Date and Time: 3/21/2	WELL LOG Well ID: SB-2 Adjacent to MW-1R Page: 2 of 3						
Drillin Drillin Driller Geolo	g Compa g Metho : Matt C gist: J.	any: Ca d: Hollo Cain Messen	scade ow Stem / ger	Auger			E	Boring Depth (ft): 80 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: CME 85						
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ff)	(nmqq)	NSCS	Lithology		Sample Description						
-	SS	35/50 (5")	35-37	185.6	SP- SC	/ / / / / / /	Poorly graded sand v 80% fine to medium plastic; weak hydroc	Poorly graded sand with clay: 2.5YR 4/4, reddish brown; medium 80% fine to medium sand, trace coarse sand; 10% gravel to 1"; 1 plastic; weak hydrocarbon odor. At 38 ft, wet.						
40 - - -	SS	31/50 (2")	40-42	474.0	SP- SM		Poorly graded sand with silt: 2.5YR 4/4, reddish brown; medium dense; wet; 80% fine sand; 10% gravel to 3/4"; rounded; 10% silt, nonplastic; strong hydrocarbon odor.							
45 - - -	SS	24/50 (5")	45-47	318.6	SM		Silty sand: 5YR 4/4, subrounded to subar	reddish brown; slightly dense to ngular; 30% silt, nonplastic; stro	o dense; wet; 70% fine sand; ong hydrocarbon odor.					
50 - - - -	SS	50 (4")	50-52	578.1	SP- SM		Poorly graded sand v subrounded; 10% sil	with silt: 5YR 4/4, reddish browr lt, nonplastic; moderate hydroca	n; dense; wet; 90% fine sand; arbon odor.					
55 - - -	SS	23/33/41	55-57	1774			Well-graded sand: 5 to coarse sand; 5% g strong hydrocarbon o stained. At 65 ft, no s	YR 4/4, reddish brown; loose to gravel to 5/8"; subangular to sul odor. At 60 ft, 80% sand, 15% g staining present.	o slightly dense; wet; 90% fine prounded; 5% silt, nonplastic; gravel to 1-1/2", 5% silt, slightly					
60 - - - -	SS	7/20/39	60-62	957.7	sw									
- 65 - - - - 70	SS	50 (3")	65-67	568.9										

E	A Engine	eering, S nology, I	science, nc., PBC	F (((Project: Client: Start Da Comple	634 NMI ate ar	7002 ED Petroleum Storage Tank nd Time: 3/20/2020 1200 Date and Time: 3/21/2020 1	WELL LOG Well ID: SB-2 Adjacent to MW-1R Page: 3 of 3					
Drillin Drillin Driller Geolo	g Compa g Metho ∵ Matt C gist: J.	any: Ca d: Hollo Cain Messen	scade ow Stem A ger	Auger			Boring Boring Drill R	Boring Depth (ft): 80 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: CME 85					
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	(nudd) DId	nscs	Lithology	Sample Description						
	SS	50 (5")	70-72	149.0	SM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Silty sand: 5YR 5/4, pale subangular to subrounder	brown; moderately dense; d; 20% silt, nonplastic; we	moist; 80% fine sand; ak hydrocarbon odor.				
- 75 - - - -	SS	32/50 (4")	75-77	5.9	SP- SM	8	Poorly graded sand with silt: 5YR 4/3, reddish brown; dense; moist; 90% fine sand rounded; 10% silt, nonplastic.						
_ 00	SS	50 (5")	80-82	16.3	SP		Poorly graded sand: 5YR 4/4, reddish brown; loose to medium dense; moist; 90% fine to medium sand, trace coarse sand; 5% gravel to 1/2"; 5% silt, nonplastic.						

E	A Engin nd Tech	eering, S nology, I	cience, nc., PBC		Project: Client: Start Da Comple	634 NMI ate ar	ED Petroleum Storag nd Time: 3/22/2020 Date and Time: 3/2	ge Tank Bureau 0820 2/2020 1715	WELL LOG Well ID: SB-3 Cerrillos Street - South Bound Lane Page: 1 of 3
Drillin Drillin Driller Geolo	g Comp g Metho r: Matt C gist: J.	any: Ca: d: Hollo Cain Messen	scade w Stem A ger	Auger				Boring Depth (ft): 95 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: CME 85	
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	DID (http://ww	nscs	Lithology		Sample Description	
0 - - -					sc		Asphalt and road I Sandy clay: 10YR fine sand; trace gr	base. 3/3, dark brown; loose to medium avel to 2"; trace cobble to 8"; rour	n dense; slightly moist; 70% nded; 30% clay, slightly plastic.
5 					GW- GC		Well-graded grave 20% fine to mediu plastic. Well-graded grave	el with clay and sand: 10YR 3/3, d m sand; 70% gravel to 2-1/2"; rou el with sand: 10YR 4/3, brown; loc	ark brown; loose; slightly moist; inded; 10% clay, slightly // se; slightly moist; 35% fine to
- 10 - -					GW		coarse sand; 60%	gravel to 2-1/2"; rounded; 5% silt	, nonplastic.
- - - - - -					sw		veil-graded sand coarse sand; 30% reddish brown, 70	with gravel; 10YR 5/3, brown; loc gravel to 2-1/2"; rounded; 5% silt % sand, 30% gravel to 2-1/4", tra	se; slightly moist; 65% fine to , nonplastic. At 20 ft, 5YR 4/3, ce silt.
20 -	SS	34/50 (3")	20-22	0.2					
- 25 - - -	SS	12/24/31	25-27	0.6			Poorly graded san sand, trace mediu 5YR 4/4, reddish t moist, highly staine	d with silt: 5YR 4/6, yellowish red m and coarse sand; subrounded; prown, 90% fine sand, 10% silt, w ed to black, strong hydrocarbon o	; loose; slightly moist; 90% fine 10% silt, nonplastic. At 30 ft, eak hydrocarbon odor. At 35 ft, dor. At 38 ft, wet.
- 30 - - - 35	SS	23/34/48	30-32	92.4	SP- SM				

EA Engineering, Science, and Technology, Inc., PBC					Project: Client: Start Da Comple	634 NMI ate ar	47002 ED Petroleum Storage nd Time: 3/22/2020 08 Date and Time: 3/22/2	Tank Bureau 320 2020 1715	WELL LOG Well ID: SB-3 Cerrillos Street - South Bound Lane Page: 2 of 3		
Drillin Drillin Driller Geolo	any: Cas d: Hollo Cain Messens	scade ow Stem / ger	Auger			E	Boring Depth (ft): 95 Boring Diameter (in): 8 1/4'' OD Drill Rig Type: CME 85				
Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	(vmqq)	nscs	Lithology	Sample Description				
-	SS	22/50 (5")	35-37	3426			Same as above at 25 ft.				
- - 40 - - -	SS	21/42/50 (5")	40-42	2475	SP- SM						
45 - -	SS	23/50 (5")	45-47	1881			Poorly graded sand: 5YR 4/4, reddish brown; medium dense; wet; 95% fine sand; subrounded; 5% silt, nonplastic; strong hydrocarbon odor.				
- 50 - -	SS	21/50 (2")	50-52	975.2	SP						
55 - -	SS	39/50 (2")	55-57	193.3	SM		Silty sand: 5YR 4/4, reddish brown; dense; wet; 70% fine sand; subrounded; 30% silt, nonplastic; moderate to strong hydrocarbon odor.				
- 60 - - - -	SS	26/50 (3")	60-62	142.5	SP- SM		Poorly graded sand with silt: 5YR 4/6, yellowish red; dense; wet; 90% fine sand; 10% silt, nonplastic; moderate hydrocarbon odor.				
- 65 - - - 70	SS	50 (5")	65-67	119.8	sw		Well-graded sand: 5YR 5/3, reddish brown; slightly dense; moist; 90% fine to coarse sand; 5% gravel to 1/2"; subangular to subrounded; 5% silt, nonplastic; moderate hydrocarbon odor. At 75 ft, gravel to 1", weak hydrocarbon odor.				

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Depth (ft bgs)	Sample Type	Blows/6"	Sample Interval (ft)	(vmqq)	nscs	Lithology	Sample Description			
 - -	SS	50 (5")	70-72	214.6			Same as above at 65 ft.			
- - - 75 - - -	SS	35/50 (2")	75-77	178.0	sw					
80 - -	SS	18/50 (3")	80-82	42.7	SP- SM		Poorly graded sand with silt: 5YR 4/6, yellowish red; dense; moist; 90% fine sand subangular to subrounded; 10% silt, nonplastic; weak hydrocarbon odor.			
- 85 - - -	SS	50 (5")	85-87	74.8			Well-graded sand: 5YR 5/3, reddish brown; dense; moist; 85% fine to coarse sand; 10% gravel to 5/8"; subangular to subrounded; 5% silt, nonplastic; weak hydrocarbon odor. At 90 ft, moderate hydrocarbon odor.			
- 90 - - -	SS	50 (5")	90-92	297.6	SW					
- 95	SS	40/50 (3")	95-97	64.4	SP- SC	/ / / / /	Poorly graded sand with clay: 2.5YR 5/4, reddish brown; hard; moist; 90% fine to medium sand; trace gravel to 3/8"; subrounded; 10% clay, slightly plastic.			