Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K28017.D	100	09/26/14	EM	n/a	n/a	VK1197
Run #2	K28018.D	2000	09/26/14	EM	n/a	n/a	VK1197
Run #3	Z044579.D	5000	09/29/14	EM	n/a	n/a	VZ4419

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	18200	5000	1000	ug/l	
71-43-2	Benzene	34200 [a]	2000	680	ug/l	
108-86-1	Bromobenzene	29 U	100	29	ug/l	
74-97-5	Bromochloromethane	42 U	100	42	ug/l	
75-27-4	Bromodichloromethane	34 U	100	34	ug/l	
75-25-2	Bromoform	44 U	100	44	ug/l	
104-51-8	n-Butylbenzene	2620	100	39	ug/l	
135-98-8	sec-Butylbenzene	1010	100	45	ug/l	
98-06-6	tert-Butylbenzene	45 U	100	45	ug/l	
108-90-7	Chlorobenzene	27 U	100	27	ug/l	
75-00-3	Chloroethane	72 U	100	72	ug/l	
67-66-3	Chloroform	137	100	35	ug/l	
95-49-8	o-Chlorotoluene	36 U	100	36	ug/l	
106-43-4	p-Chlorotoluene	31 U	100	31	ug/l	
75-15-0	Carbon disulfide	47.1	100	36	ug/l	J
56-23-5	Carbon tetrachloride	43 U	100	43	ug/l	
75-34-3	1,1-Dichloroethane	34 U	100	34	ug/l	
75-35-4	1,1-Dichloroethylene	45 U	100	45	ug/l	
563-58-6	1,1-Dichloropropene	62 U	100	62	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	160 U	200	160	ug/l	
106-93-4	1,2-Dibromoethane	34 U	100	34	ug/l	
107-06-2	1,2-Dichloroethane	35 U	100	35	ug/l	
78-87-5	1,2-Dichloropropane	33 U	100	33	ug/l	
142-28-9	1,3-Dichloropropane	32 U	100	32	ug/l	
594-20-7	2,2-Dichloropropane	51 U	100	51	ug/l	
124-48-1	Dibromochloromethane	37 U	100	37	ug/l	
75-71-8	Dichlorodifluoromethane	150 U	200	150	ug/l	
156-59-2	cis-1,2-Dichloroethylene	40 U	100	40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	29 U	100	29	ug/l	
541-73-1	m-Dichlorobenzene	33 U	100	33	ug/l	

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

9856622

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

VOA 8260 List

CAS No.	Compound	Result	MQL	SDL	Units	Q
95-50-1	o-Dichlorobenzene	28 U	100	28	ug/l	
106-46-7	p-Dichlorobenzene	32 U	100	32	ug/l	
156-60-5	trans-1,2-Dichloroethylene	47 U	100	47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	32 U	100	32	ug/l	
100-41-4	Ethylbenzene	11700	100	32	ug/l	
591-78-6	2-Hexanone	260 U	1000	260	ug/l	
87-68-3	Hexachlorobutadiene	49 U	100	49	ug/l	
98-82-8	Isopropylbenzene	4580	100	40	ug/l	
99-87-6	p-Isopropyltoluene	752	100	36	ug/l	
108-10-1	4-Methyl-2-pentanone	220 U	1000	220	ug/l	
74-83-9	Methyl bromide	51 U	100	51	ug/l	
74-87-3	Methyl chloride	63 U	100	63	ug/l	
74-95-3	Methylene bromide	45 U	100	45	ug/l	
75-09-2	Methylene chloride	160 U	500	160	ug/l	
78-93-3	Methyl ethyl ketone	21300	1000	270	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7890	100	30	ug/l	
91-20-3	Naphthalene	217000 [b]	25000	7800	ug/l	
103-65-1	n-Propylbenzene	3540	100	35	ug/l	
100-42-5	Styrene	13800	100	29	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	37 U	100	37	ug/l	
71-55-6	1,1,1-Trichloroethane	43 U	100	43	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	40 U	100	40	ug/l	
79-00-5	1,1,2-Trichloroethane	35 U	100	35	ug/l	
87-61-6	1,2,3-Trichlorobenzene	42 U	100	42	ug/l	
96-18-4	1,2,3-Trichloropropane	46 U	100	46	ug/l	
120-82-1	1,2,4-Trichlorobenzene	41 U	100	41	ug/l	
95-63-6	1,2,4-Trimethylbenzene	46300 [a]	2000	640	ug/l	
108-67-8	1,3,5-Trimethylbenzene	6220	100	35	ug/l	
127-18-4	Tetrachloroethylene	124	100	46	ug/l	
108-88-3	Toluene	171000 [a]	2000	650	ug/l	
79-01-6	Trichloroethylene	49 U	100	49	ug/l	
75-69-4	Trichlorofluoromethane	75 U	100	75	ug/l	
75-01-4	Vinyl chloride	79 U	100	79	ug/l	
1330-20-7	Xylene (total)	35500	300	87	ug/l	
	m,p-Xylene	23600	200	59	ug/l	
95-47-6	o-Xylene	11800	100	28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	90%	91%	115%	72-122%

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Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
17060-07-0	1,2-Dichloroethane-D4	84%	85%	103%	68-124%
2037-26-5	Toluene-D8	89%	90%	110%	80-119%
460-00-4	4-Bromofluorobenzene	87%	88%	105%	72-126%

(a) Result is from Run# 2
(b) Result is from Run# 3

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W20243.D	4	09/25/14	GJ	09/25/14	OP34062	EW1071
Run #2	W20231.D	20	09/25/14	GJ	09/25/14	OP34062	EW1071
Run #3	W20232.D	80	09/25/14	GJ	09/25/14	OP34062	EW1071

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2	100 ml	1.0 ml
Run #3	100 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
65-85-0	Benzoic Acid	400 U	800	400	ug/l	
95-57-8	2-Chlorophenol	38 U	200	38	ug/l	
59-50-7	4-Chloro-3-methyl phenol	1140	200	46	ug/l	
120-83-2	2,4-Dichlorophenol	44 U	200	44	ug/l	
105-67-9	2,4-Dimethylphenol	3230	200	42	ug/l	
51-28-5	2,4-Dinitrophenol	400 U	1000	400	ug/l	
534-52-1	4,6-Dinitro-o-cresol	220 U	400	220	ug/l	
95-48-7	2-Methylphenol	3040	200	39	ug/l	
	3&4-Methylphenol	12900 [b]	1000	220	ug/l	
88-75-5	2-Nitrophenol	45 U	200	45	ug/l	
100-02-7	4-Nitrophenol	290 U	1000	290	ug/l	
87-86-5	Pentachlorophenol	400 U	1000	400	ug/l	
108-95-2	Phenol	6040 [b]	1000	290	ug/l	
95-95-4	2,4,5-Trichlorophenol	39 U	200	39	ug/l	
88-06-2	2,4,6-Trichlorophenol	66.9	200	45	ug/l	J
83-32-9	Acenaphthene	822	200	48	ug/l	
208-96-8	Acenaphthylene	714	200	47	ug/l	
62-53-3	Aniline	52 U	200	52	ug/l	
120-12-7	Anthracene	433	200	56	ug/l	
92-87-5	Benzidine	390 U	1000	390	ug/l	
56-55-3	Benzo(a)anthracene	172	200	60	ug/l	J
50-32-8	Benzo(a)pyrene	67.7	200	54	ug/l	J
205-99-2	Benzo(b)fluoranthene	50.6	200	48	ug/l	J
191-24-2	Benzo(g,h,i)perylene	59 U	200	59	ug/l	
207-08-9	Benzo(k)fluoranthene	61 U	200	61	ug/l	
101-55-3	4-Bromophenyl phenyl ether	47 U	200	47	ug/l	
85-68-7	Butyl benzyl phthalate	50 U	200	50	ug/l	
100-51-6	Benzyl Alcohol	35 U	200	35	ug/l	
91-58-7	2-Chloronaphthalene	52 U	200	52	ug/l	
106-47-8	4-Chloroaniline	44 U	200	44	ug/l	

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Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
86-74-8	Carbazole	165	200	56	ug/l	J
218-01-9	Chrysene	320	200	63	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	46 U	200	46	ug/l	
111-44-4	bis(2-Chloroethyl)ether	38 U	200	38	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	36 U	200	36	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	51 U	200	51	ug/l	
95-50-1	1,2-Dichlorobenzene	43 U	200	43	ug/l	
122-66-7	1,2-Diphenylhydrazine	53 U	200	53	ug/l	
541-73-1	1,3-Dichlorobenzene	44 U	200	44	ug/l	
106-46-7	1,4-Dichlorobenzene	43 U	200	43	ug/l	
121-14-2	2,4-Dinitrotoluene	50 U	200	50	ug/l	
606-20-2	2,6-Dinitrotoluene	41 U	200	41	ug/l	
91-94-1	3,3'-Dichlorobenzidine	52 U	400	52	ug/l	
53-70-3	Dibenzo(a,h)anthracene	54 U	200	54	ug/l	
132-64-9	Dibenzofuran	227	200	50	ug/l	
84-74-2	Di-n-butyl phthalate	54 U	200	54	ug/l	
117-84-0	Di-n-octyl phthalate	47 U	200	47	ug/l	
84-66-2	Diethyl phthalate	55 U	200	55	ug/l	
131-11-3	Dimethyl phthalate	56 U	200	56	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	306	200	59	ug/l	
206-44-0	Fluoranthene	224	200	56	ug/l	
86-73-7	Fluorene	1350	200	49	ug/l	
118-74-1	Hexachlorobenzene	62 U	200	62	ug/l	
87-68-3	Hexachlorobutadiene	48 U	200	48	ug/l	
77-47-4	Hexachlorocyclopentadiene	49 U	400	49	ug/l	
67-72-1	Hexachloroethane	50 U	200	50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	42 U	200	42	ug/l	
78-59-1	Isophorone	48 U	200	48	ug/l	
90-12-0	1-Methylnaphthalene	6330 [b]	1000	210	ug/l	
91-57-6	2-Methylnaphthalene	8640 [b]	1000	250	ug/l	
88-74-4	2-Nitroaniline	52 U	200	52	ug/l	
99-09-2	3-Nitroaniline	50 U	200	50	ug/l	
100-01-6	4-Nitroaniline	54 U	200	54	ug/l	
91-20-3	Naphthalene	21300 [c]	4000	820	ug/l	
98-95-3	Nitrobenzene	46 U	200	46	ug/l	
62-75-9	n-Nitrosodimethylamine	41 U	200	41	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	43 U	200	43	ug/l	
86-30-6	N-Nitrosodiphenylamine	57 U	200	57	ug/l	
85-01-8	Phenanthrene	2350	200	60	ug/l	
129-00-0	Pyrene	697	200	57	ug/l	

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Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
110-86-1	Pyridine	50 U	200	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	42 U	200	42	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	25%	22%	0% [d]	10-66%
4165-62-2	Phenol-d5	17%	17%	0% [d]	10-63%
118-79-6	2,4,6-Tribromophenol	57%	56%	0% [d]	32-128%
4165-60-0	Nitrobenzene-d5	82%	92%	0% [d]	29-115%
321-60-8	2-Fluorobiphenyl	71%	70%	66%	34-113%
1718-51-0	Terphenyl-d14	65%	67%	68%	23-138%

(a) Elevated reporting limits due to matrix interference; initial volume 100 ml. Dilution required due to high concentration of non-target compounds.
(b) Result is from Run# 2
(c) Result is from Run# 3
(d) Outside control limits due to dilution.

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OO31321.D	1	09/26/14	SC	09/25/14	OP34067	GOO521
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	MQL	SDL	Units	Q
12674-11-2	Aroclor 1016	0.21 U	0.50	0.21	ug/l	
11104-28-2	Aroclor 1221	0.20 U	0.50	0.20	ug/l	
11141-16-5	Aroclor 1232	0.17 U	0.50	0.17	ug/l	
53469-21-9	Aroclor 1242	0.12 U	0.50	0.12	ug/l	
12672-29-6	Aroclor 1248	0.10 U	0.50	0.10	ug/l	
11097-69-1	Aroclor 1254	0.10 U	0.50	0.10	ug/l	
11096-82-5	Aroclor 1260	0.12 U	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		30-112%
2051-24-3	Decachlorobiphenyl	72%		27-119%

(a) Acid clean-up performed by method 3665A. TBA clean-up performed by method 3660.

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Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	TNRCC 1005 TX1005	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LB105504.D	100	09/26/14	ZL	09/26/14	OP34087	GLB1559
Run #2							

	Initial Volume	Final Volume
Run #1	26.1 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	MQL	SDL	Units	Q
	TPH (C6-C12)	2710	290	93	mg/l	
	TPH (> C12-C28)	22300	290	100	mg/l	
	TPH (> C28-C35)	8240	290	100	mg/l	
	TPH (C6-C35)	33300	290	93	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		70-130%
98-08-8	aaa-Trifluorotoluene	0% [a]		70-130%

(a) Outside control limits due to dilution.

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E = Indicates value exceeds calibration range

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
		Percent Solids:	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

Total Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	7.99	1.0	0.088	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Antimony [a]	0.0212 J	0.025	0.0053	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Arsenic [a]	0.0482	0.025	0.023	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Barium [a]	1.15	1.0	0.0020	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Beryllium [a]	0.00090 U	0.020	0.00090	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Cadmium [a]	0.0012 U	0.020	0.0012	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Calcium [a]	494	25	0.17	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Chromium [a]	0.142	0.050	0.0031	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Cobalt [a]	0.156 J	0.25	0.0012	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Copper [a]	0.464	0.10	0.014	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Iron [a]	640	0.50	0.15	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Lead [a]	0.184	0.015	0.0039	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Magnesium [a]	81.8	25	0.094	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Manganese [a]	11.7	0.075	0.0013	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Mercury	2.56	0.20	0.050	mg/l	1000	09/29/14	09/29/14	CC	SW846 7470A [2]	SW846 7470A [4]
Nickel [a]	2.46	0.20	0.0020	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Potassium [a]	73.8	25	0.26	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Selenium [a]	0.012 U	0.025	0.012	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Silver [a]	0.0065 J	0.050	0.0030	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Sodium [a]	987	25	0.11	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Thallium [a]	0.010 U	0.050	0.010	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Vanadium [a]	0.0605 J	0.25	0.0026	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Zinc [a]	18.1	0.10	0.0074	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA10191
(2) Instrument QC Batch: MA10193
(3) Prep QC Batch: MP24273
(4) Prep QC Batch: MP24287

(a) Elevated reporting limit due to dilution required for high interfering element.

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-7		
Lab Sample ID:	TC55416-1	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
		Percent Solids:	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Solids, Total Suspended	19300	120	60	mg/l	1	09/25/14	MS	SM 2540D
Total Organic Carbon	14200	500	160	mg/l	500	09/26/14 15:25	ES	SM5310B/9060A

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y1071485.D	200	09/30/14	FI	n/a	n/a	VY3778
Run #2	Y1071487.D	400	09/30/14	FI	n/a	n/a	VY3778

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	100 ul
Run #2	5.04 g	5.0 ml	100 ul

VOA 8260 List

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	99000 U	400000	99000	ug/kg	
71-43-2	Benzene	1540000	40000	6700	ug/kg	
108-86-1	Bromobenzene	4000 U	40000	4000	ug/kg	
74-97-5	Bromochloromethane	11000 U	40000	11000	ug/kg	
75-27-4	Bromodichloromethane	4500 U	40000	4500	ug/kg	
75-25-2	Bromoform	7500 U	40000	7500	ug/kg	
104-51-8	n-Butylbenzene	11800	40000	4400	ug/kg	J
135-98-8	sec-Butylbenzene	19800	40000	8700	ug/kg	J
98-06-6	tert-Butylbenzene	7700 U	40000	7700	ug/kg	
108-90-7	Chlorobenzene	9200 U	40000	9200	ug/kg	
75-00-3	Chloroethane	16000 U	40000	16000	ug/kg	
67-66-3	Chloroform	4300 U	40000	4300	ug/kg	
95-49-8	o-Chlorotoluene	4700 U	40000	4700	ug/kg	
106-43-4	p-Chlorotoluene	4100 U	40000	4100	ug/kg	
75-15-0	Carbon disulfide	5800 U	40000	5800	ug/kg	
56-23-5	Carbon tetrachloride	8600 U	40000	8600	ug/kg	
75-34-3	1,1-Dichloroethane	4100 U	40000	4100	ug/kg	
75-35-4	1,1-Dichloroethylene	4100 U	40000	4100	ug/kg	
563-58-6	1,1-Dichloropropene	4400 U	40000	4400	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	31000 U	40000	31000	ug/kg	
106-93-4	1,2-Dibromoethane	4200 U	40000	4200	ug/kg	
107-06-2	1,2-Dichloroethane	4700 U	40000	4700	ug/kg	
78-87-5	1,2-Dichloropropane	5800 U	40000	5800	ug/kg	
142-28-9	1,3-Dichloropropane	10000 U	40000	10000	ug/kg	
594-20-7	2,2-Dichloropropane	5400 U	40000	5400	ug/kg	
124-48-1	Dibromochloromethane	9000 U	40000	9000	ug/kg	
75-71-8	Dichlorodifluoromethane	11000 U	40000	11000	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	4500 U	40000	4500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	4500 U	40000	4500	ug/kg	
541-73-1	m-Dichlorobenzene	6200 U	40000	6200	ug/kg	
95-50-1	o-Dichlorobenzene	9600 U	40000	9600	ug/kg	
106-46-7	p-Dichlorobenzene	8600 U	40000	8600	ug/kg	

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

VOA 8260 List

CAS No.	Compound	Result	MQL	SDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	4300 U	40000	4300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	5100 U	40000	5100	ug/kg	
100-41-4	Ethylbenzene	326000	40000	9600	ug/kg	
591-78-6	2-Hexanone	73000 U	400000	73000	ug/kg	
87-68-3	Hexachlorobutadiene	6900 U	40000	6900	ug/kg	
98-82-8	Isopropylbenzene	18300	40000	11000	ug/kg	J
99-87-6	p-Isopropyltoluene	13000 U	40000	13000	ug/kg	
108-10-1	4-Methyl-2-pentanone	62000 U	400000	62000	ug/kg	
74-83-9	Methyl bromide	18000 U	40000	18000	ug/kg	
74-87-3	Methyl chloride	7600 U	40000	7600	ug/kg	
74-95-3	Methylene bromide	6400 U	40000	6400	ug/kg	
75-09-2	Methylene chloride	25000 U	99000	25000	ug/kg	
78-93-3	Methyl ethyl ketone	50000 U	400000	50000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	33100	40000	5000	ug/kg	J
91-20-3	Naphthalene	2020000 [b]	79000	40000	ug/kg	
103-65-1	n-Propylbenzene	76800	40000	10000	ug/kg	
100-42-5	Styrene	656000	40000	9100	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	5000 U	40000	5000	ug/kg	
71-55-6	1,1,1-Trichloroethane	6200 U	40000	6200	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	6700 U	40000	6700	ug/kg	
79-00-5	1,1,2-Trichloroethane	6600 U	40000	6600	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	5200 U	40000	5200	ug/kg	
96-18-4	1,2,3-Trichloropropane	9000 U	40000	9000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	4900 U	40000	4900	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	229000	40000	4000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	74600	40000	9300	ug/kg	
127-18-4	Tetrachloroethylene	10000 U	40000	10000	ug/kg	
108-88-3	Toluene	1070000	40000	10000	ug/kg	
79-01-6	Trichloroethylene	4600 U	40000	4600	ug/kg	
75-69-4	Trichlorofluoromethane	6200 U	40000	6200	ug/kg	
75-01-4	Vinyl chloride	5800 U	40000	5800	ug/kg	
1330-20-7	Xylene (total)	510000	120000	28000	ug/kg	
	m,p-Xylene	336000	79000	18000	ug/kg	
95-47-6	o-Xylene	174000	40000	10000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	91%	59-126%
2037-26-5	Toluene-D8	97%	99%	70-139%
460-00-4	4-Bromofluorobenzene	92%	92%	63-138%

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	95%	92%	54-123%

(a) All results reported on a wet weight basis.
(b) Result is from Run# 2

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3550B	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	P35638.D	10	09/25/14	SC	09/25/14	OP34075	EP1718
Run #2	P35639.D	100	09/25/14	SC	09/25/14	OP34075	EP1718

	Initial Weight	Final Volume
Run #1	3.13 g	5.0 ml
Run #2	3.13 g	5.0 ml

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
65-85-0	Benzoic acid	130000 U	400000	130000	ug/kg	
95-57-8	2-Chlorophenol	35000 U	80000	35000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	27000 U	80000	27000	ug/kg	
120-83-2	2,4-Dichlorophenol	26000 U	80000	26000	ug/kg	
105-67-9	2,4-Dimethylphenol	350000	80000	27000	ug/kg	
51-28-5	2,4-Dinitrophenol	130000 U	400000	130000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	19000 U	160000	19000	ug/kg	
95-48-7	2-Methylphenol	249000	80000	35000	ug/kg	
	3&4-Methylphenol	1040000	80000	35000	ug/kg	
88-75-5	2-Nitrophenol	27000 U	80000	27000	ug/kg	
100-02-7	4-Nitrophenol	23000 U	400000	23000	ug/kg	
87-86-5	Pentachlorophenol	59000 U	400000	59000	ug/kg	
108-95-2	Phenol	586000	80000	37000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	25000 U	80000	25000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	21000 U	80000	21000	ug/kg	
83-32-9	Acenaphthene	232000	80000	23000	ug/kg	
208-96-8	Acenaphthylene	243000	80000	22000	ug/kg	
62-53-3	Aniline	33000 U	400000	33000	ug/kg	
120-12-7	Anthracene	110000	80000	20000	ug/kg	
92-87-5	Benzidine	1600000 U	3200000	1600000	ug/kg	
56-55-3	Benzo(a)anthracene	31000 U	80000	31000	ug/kg	
50-32-8	Benzo(a)pyrene	25000 U	80000	25000	ug/kg	
205-99-2	Benzo(b)fluoranthene	20000 U	80000	20000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	22000 U	80000	22000	ug/kg	
207-08-9	Benzo(k)fluoranthene	35000 U	80000	35000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	24000 U	80000	24000	ug/kg	
85-68-7	Butyl benzyl phthalate	26000 U	80000	26000	ug/kg	
100-51-6	Benzyl Alcohol	31000 U	80000	31000	ug/kg	
91-58-7	2-Chloronaphthalene	23000 U	80000	23000	ug/kg	
106-47-8	4-Chloroaniline	30000 U	80000	30000	ug/kg	
86-74-8	Carbazole	26000 U	80000	26000	ug/kg	
218-01-9	Chrysene	35700	80000	34000	ug/kg	J

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3550B	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	25000 U	80000	25000	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	35000 U	80000	35000	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	31000 U	80000	31000	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	31000 U	80000	31000	ug/kg	
95-50-1	1,2-Dichlorobenzene	32000 U	80000	32000	ug/kg	
122-66-7	1,2-Diphenylhydrazine	20000 U	80000	20000	ug/kg	
541-73-1	1,3-Dichlorobenzene	28000 U	80000	28000	ug/kg	
106-46-7	1,4-Dichlorobenzene	30000 U	80000	30000	ug/kg	
121-14-2	2,4-Dinitrotoluene	25000 U	80000	25000	ug/kg	
606-20-2	2,6-Dinitrotoluene	22000 U	80000	22000	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	30000 U	160000	30000	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	28000 U	80000	28000	ug/kg	
132-64-9	Dibenzofuran	36500	80000	26000	ug/kg	J
84-74-2	Di-n-butyl phthalate	25000 U	80000	25000	ug/kg	
117-84-0	Di-n-octyl phthalate	21000 U	80000	21000	ug/kg	
84-66-2	Diethyl phthalate	23000 U	80000	23000	ug/kg	
131-11-3	Dimethyl phthalate	23000 U	80000	23000	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	64000 U	80000	64000	ug/kg	
206-44-0	Fluoranthene	59300	80000	27000	ug/kg	J
86-73-7	Fluorene	383000	80000	24000	ug/kg	
118-74-1	Hexachlorobenzene	26000 U	80000	26000	ug/kg	
87-68-3	Hexachlorobutadiene	29000 U	80000	29000	ug/kg	
77-47-4	Hexachlorocyclopentadiene	38000 U	400000	38000	ug/kg	
67-72-1	Hexachloroethane	29000 U	80000	29000	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	29000 U	80000	29000	ug/kg	
78-59-1	Isophorone	25000 U	80000	25000	ug/kg	
90-12-0	1-Methylnaphthalene	1570000 [c]	800000	300000	ug/kg	
91-57-6	2-Methylnaphthalene	2000000 [c]	800000	300000	ug/kg	
88-74-4	2-Nitroaniline	25000 U	80000	25000	ug/kg	
99-09-2	3-Nitroaniline	23000 U	80000	23000	ug/kg	
100-01-6	4-Nitroaniline	27000 U	160000	27000	ug/kg	
91-20-3	Naphthalene	7280000 [c]	800000	290000	ug/kg	
98-95-3	Nitrobenzene	23000 U	80000	23000	ug/kg	
62-75-9	n-Nitrosodimethylamine	25000 U	80000	25000	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	33000 U	80000	33000	ug/kg	
86-30-6	N-Nitrosodiphenylamine [d]	57500	80000	23000	ug/kg	J
85-01-8	Phenanthrene	598000	80000	23000	ug/kg	
129-00-0	Pyrene	131000	80000	36000	ug/kg	
110-86-1	Pyridine	21000 U	80000	21000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	29000 U	80000	29000	ug/kg	

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3550B	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%	0% [e]	26-124%
4165-62-2	Phenol-d5	80%	0% [e]	19-106%
118-79-6	2,4,6-Tribromophenol	69%	0% [e]	18-129%
4165-60-0	Nitrobenzene-d5	71%	0% [e]	18-104%
321-60-8	2-Fluorobiphenyl	85%	0% [e]	21-114%
1718-51-0	Terphenyl-d14	106%	0% [e]	24-149%

(a) All results reported on a wet weight basis.
(b) Elevated reporting limits due to matrix interference, final volume 5 ml. Dilution required due to high concentration of target and non-target compounds.
(c) Result is from Run# 2
(d) N-Nitrosodiphenylamine decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine.
(e) Outside control limits due to dilution.

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	SW846 8082 SW846 3550B	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OO31369.D	5	09/30/14	SC	09/29/14	OP34112	GOO522
Run #2							

	Initial Weight	Final Volume
Run #1	3.07 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	MQL	SDL	Units	Q
12674-11-2	Aroclor 1016	160 U	810	160	ug/kg	
11104-28-2	Aroclor 1221	330 U	810	330	ug/kg	
11141-16-5	Aroclor 1232	330 U	810	330	ug/kg	
53469-21-9	Aroclor 1242	170 U	810	170	ug/kg	
12672-29-6	Aroclor 1248	190 U	810	190	ug/kg	
11097-69-1	Aroclor 1254	190 U	810	190	ug/kg	
11096-82-5	Aroclor 1260	420 U	810	420	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		30-118%
2051-24-3	Decachlorobiphenyl	41%		29-122%

(a) All results reported on a wet weight basis.

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
Method:	TNRCC 1005 TX1005	**Percent Solids:**	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LF105559.D	1	09/27/14	ZL	09/26/14	OP34091	GLF1559
Run #2							

	Initial Weight	Final Volume
Run #1	10.2 g	10.0 ml
Run #2		

CAS No.	Compound	Result	MQL	SDL	Units	Q
	TPH (C6-C12)	574	25	13	mg/kg	
	TPH (> C12-C28)	1020	25	13	mg/kg	
	TPH (> C28-C35)	301	25	13	mg/kg	
	TPH (C6-C35)	1900	25	13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		70-130%
98-08-8	aaa-Trifluorotoluene	91%		70-130%

(a) All results reported on a wet weight basis.

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
		Percent Solids:	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	528	10	1.2	mg/kg	1	09/24/14	09/27/14	NS	SW846 6010B [2]	SW846 3050B [4]
Antimony	1.6	0.26	0.092	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Arsenic	2.1	0.26	0.089	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Barium	106	10	0.013	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Beryllium	0.035 U	0.20	0.035	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Cadmium	0.22	0.20	0.013	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Calcium	1600	260	0.40	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Chromium	11.7	0.51	0.072	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Cobalt	3.3	2.6	0.020	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Copper	107	1.0	0.11	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Iron	3530	5.1	0.74	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Lead	19.6	0.15	0.11	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Magnesium	465	260	1.4	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Manganese	28.7	0.77	0.020	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Mercury	0.70	0.58	0.23	mg/kg	20	09/30/14	09/30/14	CC	SW846 7471A [3]	SW846 7471A [5]
Nickel	73.3	2.0	0.038	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Potassium	102 J	260	2.2	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Selenium	0.38	0.26	0.096	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Silver	0.12 J	0.51	0.035	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Sodium	809	260	0.78	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Thallium	0.12 U	0.51	0.12	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Vanadium	4.7	2.6	0.021	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]
Zinc	205	1.0	0.29	mg/kg	1	09/24/14	09/25/14	NS	SW846 6010B [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA10186
(2) Instrument QC Batch: MA10191
(3) Instrument QC Batch: MA10200
(4) Prep QC Batch: MP24259
(5) Prep QC Batch: MP24298

(a) All results reported on a wet weight basis.

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	N.TANK-8		
Lab Sample ID:	TC55416-2	**Date Sampled:**	09/23/14
Matrix:	SO - Sludge	**Date Received:**	09/23/14
		Percent Solids:	n/a [a]
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Solids, Total Suspended	5500	120	60	mg/l	1	09/26/14	MS	SM 2540D
Total Organic Carbon [b]	60200	1000	250	mg/kg	1	09/27/14 18:57	AFL	SW846 9060A M

(a) All results reported on a wet weight basis.
(b) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-6		
Lab Sample ID:	TC55416-3	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W20245.D	1	09/25/14	GJ	09/25/14	OP34062	EW1071
Run #2	W20242.D	4	09/25/14	GJ	09/25/14	OP34062	EW1071
Run #3	W20229.D	20	09/25/14	GJ	09/25/14	OP34062	EW1071

	Initial Volume	Final Volume
Run #1	100 ml	2.0 ml
Run #2	100 ml	2.0 ml
Run #3	100 ml	2.0 ml

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
65-85-0	Benzoic Acid	200 U	400	200	ug/l	
95-57-8	2-Chlorophenol	50.0	100	19	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	7970 [b]	400	93	ug/l	
120-83-2	2,4-Dichlorophenol	473	100	22	ug/l	
105-67-9	2,4-Dimethylphenol	6250 [b]	400	85	ug/l	
51-28-5	2,4-Dinitrophenol	200 U	500	200	ug/l	
534-52-1	4,6-Dinitro-o-cresol	110 U	200	110	ug/l	
95-48-7	2-Methylphenol	15400 [c]	2000	390	ug/l	
	3&4-Methylphenol	13200 [c]	2000	430	ug/l	
88-75-5	2-Nitrophenol	22 U	100	22	ug/l	
100-02-7	4-Nitrophenol	140 U	500	140	ug/l	
87-86-5	Pentachlorophenol	200 U	500	200	ug/l	
108-95-2	Phenol	4450 [b]	400	120	ug/l	
95-95-4	2,4,5-Trichlorophenol	20 U	100	20	ug/l	
88-06-2	2,4,6-Trichlorophenol	1180	100	22	ug/l	
83-32-9	Acenaphthene	154	100	24	ug/l	
208-96-8	Acenaphthylene	23 U	100	23	ug/l	
62-53-3	Aniline	26 U	100	26	ug/l	
120-12-7	Anthracene	125	100	28	ug/l	
92-87-5	Benzidine	200 U	500	200	ug/l	
56-55-3	Benzo(a)anthracene	45.3	100	30	ug/l	J
50-32-8	Benzo(a)pyrene	27 U	100	27	ug/l	
205-99-2	Benzo(b)fluoranthene	24 U	100	24	ug/l	
191-24-2	Benzo(g,h,i)perylene	30 U	100	30	ug/l	
207-08-9	Benzo(k)fluoranthene	30 U	100	30	ug/l	
101-55-3	4-Bromophenyl phenyl ether	24 U	100	24	ug/l	
85-68-7	Butyl benzyl phthalate	25 U	100	25	ug/l	
100-51-6	Benzyl Alcohol	18 U	100	18	ug/l	
91-58-7	2-Chloronaphthalene	26 U	100	26	ug/l	
106-47-8	4-Chloroaniline	22 U	100	22	ug/l	

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OT-6		
Lab Sample ID:	TC55416-3	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
86-74-8	Carbazole	129	100	28	ug/l	
218-01-9	Chrysene	513	100	31	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	23 U	100	23	ug/l	
111-44-4	bis(2-Chloroethyl)ether	19 U	100	19	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	18 U	100	18	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	25 U	100	25	ug/l	
95-50-1	1,2-Dichlorobenzene	22 U	100	22	ug/l	
122-66-7	1,2-Diphenylhydrazine	27 U	100	27	ug/l	
541-73-1	1,3-Dichlorobenzene	22 U	100	22	ug/l	
106-46-7	1,4-Dichlorobenzene	22 U	100	22	ug/l	
121-14-2	2,4-Dinitrotoluene	25 U	100	25	ug/l	
606-20-2	2,6-Dinitrotoluene	20 U	100	20	ug/l	
91-94-1	3,3'-Dichlorobenzidine	26 U	200	26	ug/l	
53-70-3	Dibenzo(a,h)anthracene	27 U	100	27	ug/l	
132-64-9	Dibenzofuran	135	100	25	ug/l	
84-74-2	Di-n-butyl phthalate	36.9	100	27	ug/l	J
117-84-0	Di-n-octyl phthalate	23 U	100	23	ug/l	
84-66-2	Diethyl phthalate	147	100	28	ug/l	
131-11-3	Dimethyl phthalate	28 U	100	28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	366	100	29	ug/l	
206-44-0	Fluoranthene	61.2	100	28	ug/l	J
86-73-7	Fluorene	381	100	25	ug/l	
118-74-1	Hexachlorobenzene	31 U	100	31	ug/l	
87-68-3	Hexachlorobutadiene	24 U	100	24	ug/l	
77-47-4	Hexachlorocyclopentadiene	24 U	200	24	ug/l	
67-72-1	Hexachloroethane	25 U	100	25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	21 U	100	21	ug/l	
78-59-1	Isophorone	24 U	100	24	ug/l	
90-12-0	1-Methylnaphthalene	3050 [b]	400	86	ug/l	
91-57-6	2-Methylnaphthalene	4770 [b]	400	98	ug/l	
88-74-4	2-Nitroaniline	26 U	100	26	ug/l	
99-09-2	3-Nitroaniline	25 U	100	25	ug/l	
100-01-6	4-Nitroaniline	27 U	100	27	ug/l	
91-20-3	Naphthalene	5910 [b]	400	82	ug/l	
98-95-3	Nitrobenzene	23 U	100	23	ug/l	
62-75-9	n-Nitrosodimethylamine	21 U	100	21	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	22 U	100	22	ug/l	
86-30-6	N-Nitrosodiphenylamine	28 U	100	28	ug/l	
85-01-8	Phenanthrene	493	100	30	ug/l	
129-00-0	Pyrene	303	100	29	ug/l	

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OT-6		
Lab Sample ID:	TC55416-3	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
110-86-1	Pyridine	25 U	100	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	21 U	100	21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	35%	44%	39%	10-66%
4165-62-2	Phenol-d5	27%	38%	31%	10-63%
118-79-6	2,4,6-Tribromophenol	38%	56%	62%	32-128%
4165-60-0	Nitrobenzene-d5	98%	108%	98%	29-115%
321-60-8	2-Fluorobiphenyl	64%	93%	81%	34-113%
1718-51-0	Terphenyl-d14	76%	99%	96%	23-138%

(a) Elevated reporting limits due to matrix interference, initial volume 100 ml and final volume 2 ml.
(b) Result is from Run# 2
(c) Result is from Run# 3

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-6		
Lab Sample ID:	TC55416-3	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	TNRCC 1005 TX1005	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LB105506.D	100	09/26/14	ZL	09/26/14	OP34087	GLB1559
Run #2							

	Initial Volume	Final Volume
Run #1	31.2 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	MQL	SDL	Units	Q
	TPH (C6-C12)	2000	240	78	mg/l	
	TPH (> C12-C28)	14000	240	84	mg/l	
	TPH (> C28-C35)	8470	240	84	mg/l	
	TPH (C6-C35)	24500	240	78	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		70-130%
98-08-8	aaa-Trifluorotoluene	0% [a]		70-130%

(a) Outside control limits due to dilution.

U = Not detected SDL = Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-6		
Lab Sample ID:	TC55416-3	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
		Percent Solids:	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

Total Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10.5	0.20	0.018	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Antimony	0.0698	0.0050	0.0011	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Arsenic	0.0225	0.0050	0.0047	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Barium	2.85	0.20	0.00039	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Beryllium	0.00035 J	0.0040	0.00018	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Cadmium	0.0059	0.0040	0.00023	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Calcium	148	5.0	0.034	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Chromium	0.108	0.010	0.00062	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Cobalt	0.0166 J	0.050	0.00023	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Copper	1.13	0.020	0.0029	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Iron	115	0.10	0.030	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Lead	0.437	0.0030	0.00077	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Magnesium	5.72	5.0	0.019	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Manganese	1.55	0.015	0.00025	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Mercury	0.0944	0.010	0.0025	mg/l	50	09/30/14	09/30/14	CC	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.195	0.040	0.00040	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Potassium	85.1	5.0	0.052	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Selenium	0.0058	0.0050	0.0024	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Silver	0.0028 J	0.010	0.00059	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Sodium	234	5.0	0.023	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Thallium	0.0021 U	0.010	0.0021	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Vanadium	0.0549	0.050	0.00051	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Zinc	3.20	0.020	0.0015	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA10191
(2) Instrument QC Batch: MA10202
(3) Prep QC Batch: MP24273
(4) Prep QC Batch: MP24303

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-6		
Lab Sample ID:	TC55416-3	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
		Percent Solids:	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Solids, Total Suspended	19000	120	60	mg/l	1	09/25/14	MS	SM 2540D
Total Organic Carbon	3920	100	32	mg/l	100	09/26/14 16:08	ES	SM5310B/9060A

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K28021.D	500	09/26/14	EM	n/a	n/a	VK1197
Run #2	Z044580.D	5000	09/29/14	EM	n/a	n/a	VZ4419

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	7810	25000	5000	ug/l	J
71-43-2	Benzene	23700	500	170	ug/l	
108-86-1	Bromobenzene	150 U	500	150	ug/l	
74-97-5	Bromochloromethane	210 U	500	210	ug/l	
75-27-4	Bromodichloromethane	170 U	500	170	ug/l	
75-25-2	Bromoform	220 U	500	220	ug/l	
104-51-8	n-Butylbenzene	14400	500	200	ug/l	
135-98-8	sec-Butylbenzene	8340	500	230	ug/l	
98-06-6	tert-Butylbenzene	220 U	500	220	ug/l	
108-90-7	Chlorobenzene	2960	500	130	ug/l	
75-00-3	Chloroethane	360 U	500	360	ug/l	
67-66-3	Chloroform	1130	500	170	ug/l	
95-49-8	o-Chlorotoluene	180 U	500	180	ug/l	
106-43-4	p-Chlorotoluene	160 U	500	160	ug/l	
75-15-0	Carbon disulfide	180 U	500	180	ug/l	
56-23-5	Carbon tetrachloride	220 U	500	220	ug/l	
75-34-3	1,1-Dichloroethane	170 U	500	170	ug/l	
75-35-4	1,1-Dichloroethylene	230 U	500	230	ug/l	
563-58-6	1,1-Dichloropropene	310 U	500	310	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	790 U	1000	790	ug/l	
106-93-4	1,2-Dibromoethane	170 U	500	170	ug/l	
107-06-2	1,2-Dichloroethane	2980	500	180	ug/l	
78-87-5	1,2-Dichloropropane	170 U	500	170	ug/l	
142-28-9	1,3-Dichloropropane	160 U	500	160	ug/l	
594-20-7	2,2-Dichloropropane	250 U	500	250	ug/l	
124-48-1	Dibromochloromethane	180 U	500	180	ug/l	
75-71-8	Dichlorodifluoromethane	740 U	1000	740	ug/l	
156-59-2	cis-1,2-Dichloroethylene	200 U	500	200	ug/l	
10061-01-5	cis-1,3-Dichloropropene	140 U	500	140	ug/l	
541-73-1	m-Dichlorobenzene	170 U	500	170	ug/l	
95-50-1	o-Dichlorobenzene	140 U	500	140	ug/l	
106-46-7	p-Dichlorobenzene	160 U	500	160	ug/l	

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

VOA 8260 List

CAS No.	Compound	Result	MQL	SDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	240 U	500	240	ug/l	
10061-02-6	trans-1,3-Dichloropropene	160 U	500	160	ug/l	
100-41-4	Ethylbenzene	27300	500	160	ug/l	
591-78-6	2-Hexanone	1300 U	5000	1300	ug/l	
87-68-3	Hexachlorobutadiene	240 U	500	240	ug/l	
98-82-8	Isopropylbenzene	5330	500	200	ug/l	
99-87-6	p-Isopropyltoluene	6110	500	180	ug/l	
108-10-1	4-Methyl-2-pentanone	1100 U	5000	1100	ug/l	
74-83-9	Methyl bromide	250 U	500	250	ug/l	
74-87-3	Methyl chloride	363	500	320	ug/l	J
74-95-3	Methylene bromide	220 U	500	220	ug/l	
75-09-2	Methylene chloride	810 U	2500	810	ug/l	
78-93-3	Methyl ethyl ketone	1930	5000	1400	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	670	500	150	ug/l	
91-20-3	Naphthalene	56400	2500	780	ug/l	
103-65-1	n-Propylbenzene	9100	500	180	ug/l	
100-42-5	Styrene	21800	500	150	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	180 U	500	180	ug/l	
71-55-6	1,1,1-Trichloroethane	210 U	500	210	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	200 U	500	200	ug/l	
79-00-5	1,1,2-Trichloroethane	170 U	500	170	ug/l	
87-61-6	1,2,3-Trichlorobenzene	210 U	500	210	ug/l	
96-18-4	1,2,3-Trichloropropane	230 U	500	230	ug/l	
120-82-1	1,2,4-Trichlorobenzene	200 U	500	200	ug/l	
95-63-6	1,2,4-Trimethylbenzene	62500	500	160	ug/l	
108-67-8	1,3,5-Trimethylbenzene	14400	500	170	ug/l	
127-18-4	Tetrachloroethylene	230 U	500	230	ug/l	
108-88-3	Toluene	233000 [a]	5000	1600	ug/l	
79-01-6	Trichloroethylene	840	500	240	ug/l	
75-69-4	Trichlorofluoromethane	380 U	500	380	ug/l	
75-01-4	Vinyl chloride	400 U	500	400	ug/l	
1330-20-7	Xylene (total)	105000	1500	430	ug/l	
	m,p-Xylene	73600	1000	290	ug/l	
95-47-6	o-Xylene	31800	500	140	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%	114%	72-122%
17060-07-0	1,2-Dichloroethane-D4	84%	100%	68-124%
2037-26-5	Toluene-D8	89%	113%	80-119%

U = Not detected SDL = Sample Detection Limit J = Indicates an estimated value
MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%	104%	72-126%

(a) Result is from Run# 2

U = Not detected SDL = Sample Detection Limit
MQL = Method Quantitation Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W20244.D	1	09/25/14	GJ	09/25/14	OP34062	EW1071
Run #2	W20241.D	4	09/25/14	GJ	09/25/14	OP34062	EW1071
Run #3	W20228.D	20	09/25/14	GJ	09/25/14	OP34062	EW1071

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2	100 ml	1.0 ml
Run #3	100 ml	1.0 ml

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
65-85-0	Benzoic Acid	100 U	200	100	ug/l	
95-57-8	2-Chlorophenol	9.6 U	50	9.6	ug/l	
59-50-7	4-Chloro-3-methyl phenol	12 U	50	12	ug/l	
120-83-2	2,4-Dichlorophenol	11 U	50	11	ug/l	
105-67-9	2,4-Dimethylphenol	3970 [b]	200	42	ug/l	
51-28-5	2,4-Dinitrophenol	100 U	250	100	ug/l	
534-52-1	4,6-Dinitro-o-cresol	55 U	100	55	ug/l	
95-48-7	2-Methylphenol	10400 [c]	1000	190	ug/l	
	3&4-Methylphenol	8400 [c]	1000	220	ug/l	
88-75-5	2-Nitrophenol	11 U	50	11	ug/l	
100-02-7	4-Nitrophenol	72 U	250	72	ug/l	
87-86-5	Pentachlorophenol	100 U	250	100	ug/l	
108-95-2	Phenol	2700 [b]	200	58	ug/l	
95-95-4	2,4,5-Trichlorophenol	9.8 U	50	9.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	11 U	50	11	ug/l	
83-32-9	Acenaphthene	76.1	50	12	ug/l	
208-96-8	Acenaphthylene	12 U	50	12	ug/l	
62-53-3	Aniline	13 U	50	13	ug/l	
120-12-7	Anthracene	47.6	50	14	ug/l	J
92-87-5	Benzidine	98 U	250	98	ug/l	
56-55-3	Benzo(a)anthracene	15 U	50	15	ug/l	
50-32-8	Benzo(a)pyrene	13 U	50	13	ug/l	
205-99-2	Benzo(b)fluoranthene	12 U	50	12	ug/l	
191-24-2	Benzo(g,h,i)perylene	15 U	50	15	ug/l	
207-08-9	Benzo(k)fluoranthene	15 U	50	15	ug/l	
101-55-3	4-Bromophenyl phenyl ether	12 U	50	12	ug/l	
85-68-7	Butyl benzyl phthalate	13 U	50	13	ug/l	
100-51-6	Benzyl Alcohol	8.8 U	50	8.8	ug/l	
91-58-7	2-Chloronaphthalene	13 U	50	13	ug/l	
106-47-8	4-Chloroaniline	11 U	50	11	ug/l	

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MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
86-74-8	Carbazole	35.8	50	14	ug/l	J
218-01-9	Chrysene	16 U	50	16	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	12 U	50	12	ug/l	
111-44-4	bis(2-Chloroethyl)ether	9.5 U	50	9.5	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	9.0 U	50	9.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	13 U	50	13	ug/l	
95-50-1	1,2-Dichlorobenzene	11 U	50	11	ug/l	
122-66-7	1,2-Diphenylhydrazine	13 U	50	13	ug/l	
541-73-1	1,3-Dichlorobenzene	11 U	50	11	ug/l	
106-46-7	1,4-Dichlorobenzene	11 U	50	11	ug/l	
121-14-2	2,4-Dinitrotoluene	13 U	50	13	ug/l	
606-20-2	2,6-Dinitrotoluene	10 U	50	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	13 U	100	13	ug/l	
53-70-3	Dibenzo(a,h)anthracene	14 U	50	14	ug/l	
132-64-9	Dibenzofuran	49.1	50	13	ug/l	J
84-74-2	Di-n-butyl phthalate	13 U	50	13	ug/l	
117-84-0	Di-n-octyl phthalate	12 U	50	12	ug/l	
84-66-2	Diethyl phthalate	14 U	50	14	ug/l	
131-11-3	Dimethyl phthalate	14 U	50	14	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	38.1	50	15	ug/l	J
206-44-0	Fluoranthene	23.3	50	14	ug/l	J
86-73-7	Fluorene	189	50	12	ug/l	
118-74-1	Hexachlorobenzene	16 U	50	16	ug/l	
87-68-3	Hexachlorobutadiene	12 U	50	12	ug/l	
77-47-4	Hexachlorocyclopentadiene	12 U	100	12	ug/l	
67-72-1	Hexachloroethane	13 U	50	13	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	10 U	50	10	ug/l	
78-59-1	Isophorone	12 U	50	12	ug/l	
90-12-0	1-Methylnaphthalene	1120 [b]	200	43	ug/l	
91-57-6	2-Methylnaphthalene	1650 [b]	200	49	ug/l	
88-74-4	2-Nitroaniline	13 U	50	13	ug/l	
99-09-2	3-Nitroaniline	12 U	50	12	ug/l	
100-01-6	4-Nitroaniline	14 U	50	14	ug/l	
91-20-3	Naphthalene	640	50	10	ug/l	
98-95-3	Nitrobenzene	12 U	50	12	ug/l	
62-75-9	n-Nitrosodimethylamine	10 U	50	10	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	11 U	50	11	ug/l	
86-30-6	N-Nitrosodiphenylamine	14 U	50	14	ug/l	
85-01-8	Phenanthrene	473	50	15	ug/l	
129-00-0	Pyrene	139	50	14	ug/l	

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MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

ABN Full List

CAS No.	Compound	Result	MQL	SDL	Units	Q
110-86-1	Pyridine	13 U	50	13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	11 U	50	11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	29%	27%	27%	10-66%
4165-62-2	Phenol-d5	19%	19%	18%	10-63%
118-79-6	2,4,6-Tribromophenol	83%	70%	64%	32-128%
4165-60-0	Nitrobenzene-d5	88%	81%	83%	29-115%
321-60-8	2-Fluorobiphenyl	77%	75%	76%	34-113%
1718-51-0	Terphenyl-d14	92%	87%	86%	23-138%

(a) Elevated reporting limits due to matrix interference, initial volume 100 ml.
(b) Result is from Run# 2
(c) Result is from Run# 3

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	OO31324.D	1	09/26/14	SC	09/25/14	OP34067	GOO521
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	MQL	SDL	Units	Q
12674-11-2	Aroclor 1016	0.21 U	0.50	0.21	ug/l	
11104-28-2	Aroclor 1221	0.20 U	0.50	0.20	ug/l	
11141-16-5	Aroclor 1232	0.17 U	0.50	0.17	ug/l	
53469-21-9	Aroclor 1242	0.12 U	0.50	0.12	ug/l	
12672-29-6	Aroclor 1248	0.10 U	0.50	0.10	ug/l	
11097-69-1	Aroclor 1254	0.10 U	0.50	0.10	ug/l	
11096-82-5	Aroclor 1260	0.12 U	0.50	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		30-112%
2051-24-3	Decachlorobiphenyl	43%		27-119%

(a) Acid clean-up performed by method 3665A. TBA clean-up performed by method 3660.

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
Method:	TNRCC 1005 TX1005	**Percent Solids:**	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LB105558.D	25	09/27/14	ZL	09/26/14	OP34087	GLB1559
Run #2							

	Initial Volume	Final Volume
Run #1	23.9 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	MQL	SDL	Units	Q
	TPH (C6-C12)	421	79	25	mg/l	
	TPH (> C12-C28)	2880	79	28	mg/l	
	TPH (> C28-C35)	231	79	28	mg/l	
	TPH (C6-C35)	3530	79	25	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		70-130%
98-08-8	aaa-Trifluorotoluene	0% [a]		70-130%

(a) Outside control limits due to dilution.

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MQL = Method Quantitation Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
		Percent Solids:	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

Total Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4.71	0.20	0.018	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Antimony	0.0230	0.0050	0.0011	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Arsenic	0.0637	0.0050	0.0047	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Barium	0.625	0.20	0.00039	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Beryllium	0.00029 J	0.0040	0.00018	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Cadmium	0.0012 J	0.0040	0.00023	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Calcium	116	5.0	0.034	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Chromium	0.0572	0.010	0.00062	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Cobalt	0.0082 J	0.050	0.00023	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Copper	0.190	0.020	0.0029	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Iron	75.0	0.10	0.030	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Lead	0.0700	0.0030	0.00077	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Magnesium	5.41	5.0	0.019	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Manganese	1.29	0.015	0.00025	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Mercury	0.0043	0.0020	0.00050	mg/l	10	09/30/14	09/30/14	CC	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.0893	0.040	0.00040	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Potassium	90.0	5.0	0.052	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Selenium	0.0046 J	0.0050	0.0024	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Silver	0.0013 J	0.010	0.00059	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Sodium	616	5.0	0.023	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Thallium	0.0021 U	0.010	0.0021	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Vanadium	0.0160 J	0.050	0.00051	mg/l	1	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]
Zinc	11.6	0.10	0.0074	mg/l	5	09/25/14	09/26/14	NS	SW846 6010B [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA10191
(2) Instrument QC Batch: MA10202
(3) Prep QC Batch: MP24273
(4) Prep QC Batch: MP24303

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Accutest Laboratories

Report of Analysis

Client Sample ID:	OT-3		
Lab Sample ID:	TC55416-4	**Date Sampled:**	09/23/14
Matrix:	AQ - Water	**Date Received:**	09/23/14
		Percent Solids:	n/a
Project:	CES- Chemical Spill/4904 Griggs, Houston, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Solids, Total Suspended	3940	120	60	mg/l	1	09/25/14	MS	SM 2540D
Total Organic Carbon	3640	100	32	mg/l	100	09/26/14 16:39	ES	SM5310B/9060A

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL