	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	LabSampleID	Matrix	ClientSampleID	CollectDate	ListDescription	AnalyticalMethod	TestName	CASNumber	ReportedResult	ReportedLOQ	Qualifiers	Units	DilFact	AnalysisDate	AnalysisTime	PrepBatch	ReportedDL	AnalysisBatch
2	UH21084-001	Aqueous	AC 05	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/23/2019	1857	26810	5.0	26834
3	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	38	100	J	ug/L	5	08/24/2019	209	0	25	26929
4	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	2.0	5.0	J	ug/L	5	08/24/2019	209	0	2.0	26929
5	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
6	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
7	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
8	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	209	0	2.0	26929
9	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	ND	50		ug/L	5	08/24/2019	209	0	10	26929
10	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	3.1	5.0	J	ug/L	5	08/27/2019	102	0	2.0	27097
11	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
12	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
13	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	209	0	2.0	26929
14	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
15	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	209	0	2.5	26929
16	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
17	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
18	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
19	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
20	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
21	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
22	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
23	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	209	0	3.0	26929
24	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
25	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
26	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
27	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
28	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
29	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
30	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
31	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
32	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
33	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	209	0	10	26929
34	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
35	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
36	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
37	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	209	0	10	26929
38	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	209	0	2.0	26929
39	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	3.0	5.0	J	ug/L	5	08/24/2019	209	0	2.0	26929
40	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.1	26929
41	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
42	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
43	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
44	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	209	0	2.1	26929
45	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
46	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
47	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
48	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
49	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
50	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
51	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
52	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
53	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	209	0	2.0	26929
54	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	101	70-130		%	5	08/24/2019	209	0	70	26929
55	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	94	70-130		%	5	08/24/2019	209	0	70	26929
56	UH21084-001	Aqueous	AC 05	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	100	70-130		%	5	08/24/2019	209	0	70	26929
57	UH21084-001	Aqueous	AC 05	08/21/2019	VOC Library Search	8260B	None Detected	SESI-TIC		0.00		ug/L	1		0	0	0.00	26933
58	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
59	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
60	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
61	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
62	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
63	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
64	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
65	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
66	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
67	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
68	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
69	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
70	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
71	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
72	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
73	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
74	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
75	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
76	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
77	UH21084-001	Aqueous	AC 05	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
78	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
79	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
80	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
81	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
82	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
83	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
84	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
85	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
86	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
87	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
88	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
89	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
90	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
91	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
92	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
93	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
94	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
95	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
96	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0
97	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
98	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
99	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
100	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
101	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
102	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
103	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
104	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
105	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
106	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
107	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
108	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
109	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
110	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0
111	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
112	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
113	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
114	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
115	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
116	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
117	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
118	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
119	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0
120	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
121	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
122	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
123	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
124	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
125	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
126	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
127	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
128	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
129	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
130	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
131	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
132	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
133	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
134	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
135	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
136	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
137	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
138	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
139	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
140	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
141	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
142	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0
143	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
144	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
145	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
146	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
147	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
148	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0
149	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.15	27136
150	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.25	27136
151	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.15	27136
152	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.15	27136
153	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.15	27136
154	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.15	27136
155	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	ND	0.40		ug/L	1	08/27/2019	1123	26969	0.15	27136
156	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	8.5	10-133		%	1	08/27/2019	1123	26969	10	27136

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
157	UH21084-001	Aqueous	AC 05	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	59	31-122		%	1	08/27/2019	1123	26969	31	27136
158	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
159	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
160	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
161	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
162	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
163	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
164	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
165	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
166	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
167	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
168	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
169	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
170	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
171	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
172	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
173	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
174	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0
175	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
176	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
177	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
178	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
179	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
180	UH21084-001	Aqueous	AC 05	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
181	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	150	40		ug/L	1	08/23/2019	1210	26746	10	26976
182	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	25	2.0		ug/L	1	08/23/2019	1210	26746	0.50	26976
183	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	340	2.0		ug/L	1	08/23/2019	1210	26746	1.3	26976
184	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	83	5.0		ug/L	1	08/23/2019	1210	26746	1.3	26976
185	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1210	26746	0.15	26976
186	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	ND	0.50		ug/L	1	08/23/2019	1210	26746	0.13	26976
187	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	540000	4000		ug/L	10	08/23/2019	1327	26746	1000	26976
188	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	100	5.0		ug/L	1	08/23/2019	1210	26746	1.3	26976
189	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	2.3	5.0	J	ug/L	1	08/23/2019	1210	26746	1.3	26976
190	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	19	5.0		ug/L	1	08/23/2019	1210	26746	1.3	26976
191	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	2700	50		ug/L	1	08/23/2019	1210	26746	13	26976
192	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	0.97	1.0	J	ug/L	1	08/23/2019	1210	26746	0.25	26976
193	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	41000	400		ug/L	1	08/23/2019	1210	26746	50	26976
194	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	200	5.0		ug/L	1	08/23/2019	1210	26746	1.3	26976
195	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	ND	0.00020		mg/L	1	08/24/2019	828	26841	0.000091	27007
196	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	25	5.0		ug/L	1	08/23/2019	1210	26746	1.3	26976
197	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	54000	400		ug/L	1	08/23/2019	1210	26746	100	26976
198	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	3.2	5.0	J	ug/L	1	08/23/2019	1210	26746	1.3	26976
199	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1210	26746	0.25	26976
200	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	220000	4000		ug/L	10	08/23/2019	1327	26746	1500	26976
201	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1210	26746	0.15	26976
202	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	14	5.0		ug/L	1	08/23/2019	1210	26746	2.5	26976
203	UH21084-001	Aqueous	AC 05	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	44	10	B	ug/L	1	08/23/2019	1210	26746	2.5	26976
204	UH21084-002	Aqueous	AC 06	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/23/2019	1859	26810	5.0	26834
205	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	29	100	J	ug/L	5	08/24/2019	232	0	25	26929
206	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
207	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
208	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
209	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
210	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	232	0	2.0	26929
211	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	ND	50		ug/L	5	08/24/2019	232	0	10	26929
212	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	2.1	5.0	J	ug/L	5	08/27/2019	126	0	2.0	27097
213	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
214	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
215	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	232	0	2.0	26929
216	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
217	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	232	0	2.5	26929
218	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
219	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
220	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
221	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
222	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
223	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
224	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
225	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	232	0	3.0	26929
226	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
227	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
228	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
229	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
230	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
231	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
232	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
233	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
234	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
235	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	232	0	10	26929
236	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
237	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
238	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
239	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	232	0	10	26929
240	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	232	0	2.0	26929
241	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
242	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.1	26929
243	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
244	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
245	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
246	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	232	0	2.1	26929
247	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
248	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
249	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
250	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
251	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
252	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
253	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
254	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
255	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	232	0	2.0	26929
256	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	98	70-130		%	5	08/24/2019	232	0	70	26929
257	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	96	70-130		%	5	08/24/2019	232	0	70	26929
258	UH21084-002	Aqueous	AC 06	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	99	70-130		%	5	08/24/2019	232	0	70	26929
259	UH21084-002	Aqueous	AC 06	08/21/2019	VOC Library Search	8260B	None Detected	SESI-TIC		0.00		ug/L	1		0	0	0.00	26933
260	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
261	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
262	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
263	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
264	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
265	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
266	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
267	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
268	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
269	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
270	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
271	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
272	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
273	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
274	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
275	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
276	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
277	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
278	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
279	UH21084-002	Aqueous	AC 06	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
280	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0
281	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
282	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
283	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
284	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
285	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
286	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
287	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
288	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
289	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
290	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
291	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
292	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
293	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
294	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
295	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
296	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
297	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
298	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0
299	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
300	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
301	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
302	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
303	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
304	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
305	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
306	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
307	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
308	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
309	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
310	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
311	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
312	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
313	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
314	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
315	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
316	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
317	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
318	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
319	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
320	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
321	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0
322	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
323	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
324	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
325	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
326	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
327	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
328	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
329	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
330	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
331	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
332	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
333	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
334	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
335	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
336	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
337	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
338	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
339	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
340	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
341	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
342	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
343	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
344	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0
345	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
346	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
347	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
348	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
349	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
350	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0
351	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.15	27136
352	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.25	27136
353	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.15	27136
354	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.15	27136
355	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.15	27136
356	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.15	27136
357	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	ND	0.40		ug/L	1	08/27/2019	1136	26969	0.15	27136
358	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	9.1	10-133		%	1	08/27/2019	1136	26969	10	27136
359	UH21084-002	Aqueous	AC 06	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	65	31-122		%	1	08/27/2019	1136	26969	31	27136
360	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
361	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
362	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
363	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
364	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
365	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
366	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
367	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
368	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
369	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
370	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
371	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
372	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
373	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
374	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
375	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
376	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0
377	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
378	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
379	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
380	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
381	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
382	UH21084-002	Aqueous	AC 06	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
383	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	150	40		ug/L	1	08/23/2019	1216	26746	10	26976
384	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	23	2.0		ug/L	1	08/23/2019	1216	26746	0.50	26976
385	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	340	2.0		ug/L	1	08/23/2019	1216	26746	1.3	26976
386	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	79	5.0		ug/L	1	08/23/2019	1216	26746	1.3	26976
387	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1216	26746	0.15	26976
388	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	ND	0.50		ug/L	1	08/23/2019	1216	26746	0.13	26976
389	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	500000	4000		ug/L	10	08/23/2019	1333	26746	1000	26976
390	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	100	5.0		ug/L	1	08/23/2019	1216	26746	1.3	26976

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
391	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	2.1	5.0	J	ug/L	1	08/23/2019	1216	26746	1.3	26976
392	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	12	5.0		ug/L	1	08/23/2019	1216	26746	1.3	26976
393	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	2500	50		ug/L	1	08/23/2019	1216	26746	13	26976
394	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	0.58	1.0	J	ug/L	1	08/23/2019	1216	26746	0.25	26976
395	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	42000	400		ug/L	1	08/23/2019	1216	26746	50	26976
396	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	160	5.0		ug/L	1	08/23/2019	1216	26746	1.3	26976
397	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	ND	0.00020		mg/L	1	08/24/2019	831	26841	0.000091	27007
398	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	24	5.0		ug/L	1	08/23/2019	1216	26746	1.3	26976
399	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	55000	400		ug/L	1	08/23/2019	1216	26746	100	26976
400	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	4.0	5.0	J	ug/L	1	08/23/2019	1216	26746	1.3	26976
401	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1216	26746	0.25	26976
402	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	200000	4000		ug/L	10	08/23/2019	1333	26746	1500	26976
403	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1216	26746	0.15	26976
404	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	13	5.0		ug/L	1	08/23/2019	1216	26746	2.5	26976
405	UH21084-002	Aqueous	AC 06	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	34	10	B	ug/L	1	08/23/2019	1216	26746	2.5	26976
406	UH21084-003	Aqueous	AC 07	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/23/2019	1900	26810	5.0	26834
407	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
408	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
409	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
410	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
411	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
412	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
413	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
414	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
415	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
416	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
417	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
418	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
419	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
420	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
421	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
422	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
423	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
424	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
425	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
426	UH21084-003	Aqueous	AC 07	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
427	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0
428	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
429	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
430	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
431	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
432	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
433	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
434	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
435	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
436	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
437	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
438	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
439	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
440	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
441	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
442	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
443	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
444	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
445	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0
446	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
447	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
448	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
449	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
450	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
451	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
452	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
453	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
454	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
455	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
456	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
457	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
458	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
459	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0
460	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
461	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
462	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
463	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
464	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
465	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
466	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
467	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
468	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
469	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
470	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
471	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
472	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
473	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
474	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
475	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
476	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
477	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
478	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
479	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
480	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
481	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
482	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
483	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
484	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
485	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
486	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
487	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
488	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
489	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
490	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
491	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0
492	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
493	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
494	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
495	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
496	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
497	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0
498	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	Pending	0.40		ug/L	1		0	26969	0.15	27136
499	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	Pending	0.40		ug/L	1		0	26969	0.25	27136
500	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
501	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	Pending	0.40		ug/L	1		0	26969	0.15	27136
502	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	Pending	0.40		ug/L	1		0	26969	0.15	27136
503	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	Pending	0.40		ug/L	1		0	26969	0.15	27136
504	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
505	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	Pending	130		%	1		0	26969	10	27136
506	UH21084-003	Aqueous	AC 07	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26969	31	27136
507	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
508	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
509	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
510	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
511	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
512	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
513	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
514	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
515	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
516	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
517	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
518	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
519	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
520	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
521	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
522	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
523	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0
524	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
525	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
526	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
527	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
528	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
529	UH21084-003	Aqueous	AC 07	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
530	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	280	40		ug/L	1	08/23/2019	1222	26746	10	26976
531	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	38	2.0		ug/L	1	08/23/2019	1222	26746	0.50	26976
532	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	410	2.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
533	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	170	5.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
534	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1222	26746	0.15	26976
535	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	0.20	0.50	J	ug/L	1	08/23/2019	1222	26746	0.13	26976
536	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	790000	4000		ug/L	10	08/23/2019	1351	26746	1000	26976
537	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	190	5.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
538	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	3.1	5.0	J	ug/L	1	08/23/2019	1222	26746	1.3	26976
539	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	84	5.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
540	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	4900	50		ug/L	1	08/23/2019	1222	26746	13	26976
541	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	3.8	1.0		ug/L	1	08/23/2019	1222	26746	0.25	26976
542	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	55000	400		ug/L	1	08/23/2019	1222	26746	50	26976
543	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	720	5.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
544	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	0.00016	0.00020	J	mg/L	1	08/24/2019	833	26841	0.000091	27007
545	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	33	5.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
546	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	81000	400		ug/L	1	08/23/2019	1222	26746	100	26976

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
547	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	5.9	5.0		ug/L	1	08/23/2019	1222	26746	1.3	26976
548	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1222	26746	0.25	26976
549	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	310000	4000		ug/L	10	08/23/2019	1351	26746	1500	26976
550	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1222	26746	0.15	26976
551	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	29	5.0		ug/L	1	08/23/2019	1222	26746	2.5	26976
552	UH21084-003	Aqueous	AC 07	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	160	10	B	ug/L	1	08/23/2019	1222	26746	2.5	26976
553	UH21084-004	Aqueous	AC-01	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/23/2019	1901	26810	5.0	26834
554	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	210	100		ug/L	5	08/24/2019	449	0	25	26929
555	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	17	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
556	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
557	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
558	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
559	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	449	0	2.0	26929
560	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	46	50	J	ug/L	5	08/24/2019	449	0	10	26929
561	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	9.9	5.0		ug/L	5	08/27/2019	802	0	2.0	27097
562	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
563	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
564	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	449	0	2.0	26929
565	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
566	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	449	0	2.5	26929
567	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
568	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
569	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
570	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
571	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
572	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
573	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
574	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	449	0	3.0	26929
575	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
576	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
577	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
578	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
579	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
580	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
581	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
582	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
583	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	3.9	5.0	J	ug/L	5	08/24/2019	449	0	2.0	26929
584	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	449	0	10	26929
585	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
586	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	3.3	5.0	J	ug/L	5	08/24/2019	449	0	2.0	26929
587	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
588	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	449	0	10	26929
589	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	449	0	2.0	26929
590	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
591	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.1	26929
592	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
593	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
594	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	9.6	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
595	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	449	0	2.1	26929
596	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
597	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
598	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
599	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
600	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
601	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
602	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
603	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	2.6	5.0	J	ug/L	5	08/24/2019	449	0	2.0	26929
604	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	449	0	2.0	26929
605	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	103	70-130		%	5	08/24/2019	449	0	70	26929
606	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	95	70-130		%	5	08/24/2019	449	0	70	26929
607	UH21084-004	Aqueous	AC-01	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	98	70-130		%	5	08/24/2019	449	0	70	26929
608	UH21084-004	Aqueous	AC-01	08/21/2019	VOC Library Search	8260B	Methanethiol	SESI-TIC	45	0.00		ug/L	5	08/24/2019	449	0	0.00	26933
609	UH21084-004	Aqueous	AC-01	08/21/2019	VOC Library Search	8260B	Dimethyl sulfide	SESI-TIC	83	0.00		ug/L	5	08/24/2019	449	0	0.00	26933
610	UH21084-004	Aqueous	AC-01	08/21/2019	VOC Library Search	8260B	Furan, tetrahydro-	SESI-TIC	15	0.00		ug/L	5	08/24/2019	449	0	0.00	26933
611	UH21084-004	Aqueous	AC-01	08/21/2019	VOC Library Search	8260B	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	SESI-TIC	10	0.00		ug/L	5	08/24/2019	449	0	0.00	26933
612	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
613	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
614	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
615	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
616	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
617	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
618	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
619	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
620	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
621	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
622	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
623	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
624	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
625	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
626	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
627	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
628	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
629	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
630	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
631	UH21084-004	Aqueous	AC-01	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
632	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0
633	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
634	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
635	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
636	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
637	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
638	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
639	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
640	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
641	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
642	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
643	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
644	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
645	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
646	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
647	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
648	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
649	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
650	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0
651	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
652	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
653	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
654	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
655	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
656	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
657	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
658	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
659	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
660	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
661	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
662	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
663	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
664	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0
665	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
666	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
667	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
668	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
669	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
670	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
671	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
672	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
673	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0
674	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
675	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
676	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
677	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
678	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
679	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
680	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
681	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
682	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
683	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
684	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
685	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
686	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
687	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
688	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
689	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
690	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
691	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
692	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
693	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
694	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
695	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
696	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0
697	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
698	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
699	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
700	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
701	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
702	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
703	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	Pending	0.40		ug/L	1		0	26969	0.15	27136
704	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	Pending	0.40		ug/L	1		0	26969	0.25	27136
705	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
706	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	Pending	0.40		ug/L	1		0	26969	0.15	27136
707	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	Pending	0.40		ug/L	1		0	26969	0.15	27136
708	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	Pending	0.40		ug/L	1		0	26969	0.15	27136
709	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
710	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	Pending	130		%	1		0	26969	10	27136
711	UH21084-004	Aqueous	AC-01	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26969	31	27136
712	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
713	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
714	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
715	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
716	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
717	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
718	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
719	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
720	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
721	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
722	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
723	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
724	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
725	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
726	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
727	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
728	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0
729	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
730	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
731	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
732	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
733	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
734	UH21084-004	Aqueous	AC-01	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
735	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	1300	40		ug/L	1	08/23/2019	1257	26746	10	26976
736	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	27	2.0		ug/L	1	08/23/2019	1257	26746	0.50	26976
737	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	300	2.0		ug/L	1	08/23/2019	1257	26746	1.3	26976
738	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	140	5.0		ug/L	1	08/23/2019	1257	26746	1.3	26976
739	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1257	26746	0.15	26976
740	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	0.21	0.50	J	ug/L	1	08/23/2019	1257	26746	0.13	26976
741	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	950000	4000		ug/L	10	08/23/2019	1414	26746	1000	26976
742	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	110	5.0		ug/L	1	08/23/2019	1257	26746	1.3	26976
743	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	2.8	5.0	J	ug/L	1	08/23/2019	1257	26746	1.3	26976
744	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	69	5.0		ug/L	1	08/23/2019	1257	26746	1.3	26976
745	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	5600	50		ug/L	1	08/23/2019	1257	26746	13	26976
746	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	8.4	1.0		ug/L	1	08/23/2019	1257	26746	0.25	26976
747	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	41000	400		ug/L	1	08/23/2019	1257	26746	50	26976
748	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	700	5.0		ug/L	1	08/23/2019	1257	26746	1.3	26976
749	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	0.00016	0.00020	J	mg/L	1	08/24/2019	836	26841	0.000091	27007
750	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	25	5.0		ug/L	1	08/23/2019	1257	26746	1.3	26976
751	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	62000	400		ug/L	1	08/23/2019	1257	26746	100	26976
752	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	4.3	5.0	J	ug/L	1	08/23/2019	1257	26746	1.3	26976
753	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1257	26746	0.25	26976
754	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	250000	4000		ug/L	10	08/23/2019	1414	26746	1500	26976
755	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1257	26746	0.15	26976
756	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	26	5.0		ug/L	1	08/23/2019	1257	26746	2.5	26976
757	UH21084-004	Aqueous	AC-01	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	170	10	B	ug/L	1	08/23/2019	1257	26746	2.5	26976
758	UH21084-005	Aqueous	AC 02	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/23/2019	1904	26810	5.0	26834
759	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	280	100		ug/L	5	08/24/2019	255	0	25	26929
760	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	48	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
761	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
762	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
763	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
764	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	255	0	2.0	26929
765	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	60	50		ug/L	5	08/24/2019	255	0	10	26929
766	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	Pending	5.0		ug/L	1		0	0	2.0	27153
767	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
768	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
769	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	255	0	2.0	26929
770	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
771	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	255	0	2.5	26929
772	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
773	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
774	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
775	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
776	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
777	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
778	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
779	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	255	0	3.0	26929
780	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
781	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
782	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
783	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
784	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
785	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
786	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
787	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
788	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	9.9	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
789	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	255	0	10	26929
790	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
791	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
792	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
793	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	255	0	10	26929
794	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	255	0	2.0	26929
795	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
796	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.1	26929
797	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
798	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
799	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	23	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
800	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	255	0	2.1	26929
801	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
802	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
803	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
804	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
805	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
806	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
807	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	255	0	2.0	26929
808	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	3.7	5.0	J	ug/L	5	08/24/2019	255	0	2.0	26929
809	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	2.7	5.0	J	ug/L	5	08/24/2019	255	0	2.0	26929
810	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	102	70-130		%	5	08/24/2019	255	0	70	26929
811	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	99	70-130		%	5	08/24/2019	255	0	70	26929
812	UH21084-005	Aqueous	AC 02	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	102	70-130		%	5	08/24/2019	255	0	70	26929
813	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Urea	SESI-TIC	58	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
814	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Unknown	SESI-TIC	160	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
815	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Methanethiol	SESI-TIC	210	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
816	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Dimethyl sulfide	SESI-TIC	320	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
817	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Unknown	SESI-TIC	42	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
818	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Furan, tetrahydro-	SESI-TIC	59	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
819	UH21084-005	Aqueous	AC 02	08/21/2019	VOC Library Search	8260B	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	SESI-TIC	10	0.00		ug/L	5	08/24/2019	255	0	0.00	26933
820	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
821	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
822	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
823	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
824	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
825	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
826	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
827	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
828	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
829	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
830	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
831	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
832	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
833	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
834	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
835	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
836	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
837	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
838	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
839	UH21084-005	Aqueous	AC 02	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
840	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0
841	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
842	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
843	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
844	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
845	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
846	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
847	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
848	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
849	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
850	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
851	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
852	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
853	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
854	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
855	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
856	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
857	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
858	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
859	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
860	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
861	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
862	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
863	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
864	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
865	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
866	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
867	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
868	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
869	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
870	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
871	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
872	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0
873	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
874	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
875	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
876	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
877	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
878	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
879	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
880	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
881	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0
882	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
883	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
884	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
885	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
886	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
887	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
888	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
889	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
890	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
891	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
892	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
893	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
894	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
895	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
896	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
897	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
898	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
899	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
900	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
901	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
902	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
903	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
904	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0
905	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
906	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
907	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
908	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
909	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
910	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0
911	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	Pending	0.40		ug/L	1		0	26969	0.15	27136
912	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	Pending	0.40		ug/L	1		0	26969	0.25	27136
913	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
914	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	Pending	0.40		ug/L	1		0	26969	0.15	27136
915	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	Pending	0.40		ug/L	1		0	26969	0.15	27136
916	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	Pending	0.40		ug/L	1		0	26969	0.15	27136
917	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
918	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	Pending	130		%	1		0	26969	10	27136
919	UH21084-005	Aqueous	AC 02	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26969	31	27136
920	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
921	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
922	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
923	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
924	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
925	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
926	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
927	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
928	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
929	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
930	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
931	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
932	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
933	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
934	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
935	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
936	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
937	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
938	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
939	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
940	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
941	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
942	UH21084-005	Aqueous	AC 02	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
943	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	200	40		ug/L	1	08/23/2019	1239	26746	10	26976
944	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	19	2.0		ug/L	1	08/23/2019	1239	26746	0.50	26976
945	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	260	2.0		ug/L	1	08/23/2019	1239	26746	1.3	26976
946	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	130	5.0		ug/L	1	08/23/2019	1239	26746	1.3	26976
947	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1239	26746	0.15	26976
948	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	ND	0.50		ug/L	1	08/23/2019	1239	26746	0.13	26976
949	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	860000	4000		ug/L	10	08/23/2019	1356	26746	1000	26976
950	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	120	5.0		ug/L	1	08/23/2019	1239	26746	1.3	26976
951	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	2.5	5.0	J	ug/L	1	08/23/2019	1239	26746	1.3	26976
952	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	31	5.0		ug/L	1	08/23/2019	1239	26746	1.3	26976
953	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	4300	50		ug/L	1	08/23/2019	1239	26746	13	26976
954	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	1.2	1.0		ug/L	1	08/23/2019	1239	26746	0.25	26976
955	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	46000	400		ug/L	1	08/23/2019	1239	26746	50	26976
956	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	830	5.0		ug/L	1	08/23/2019	1239	26746	1.3	26976
957	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	ND	0.00020		mg/L	1	08/24/2019	844	26841	0.000091	27007
958	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	22	5.0		ug/L	1	08/23/2019	1239	26746	1.3	26976
959	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	67000	400		ug/L	1	08/23/2019	1239	26746	100	26976
960	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	4.5	5.0	J	ug/L	1	08/23/2019	1239	26746	1.3	26976
961	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1239	26746	0.25	26976
962	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	240000	4000		ug/L	10	08/23/2019	1356	26746	1500	26976
963	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1239	26746	0.15	26976
964	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	21	5.0		ug/L	1	08/23/2019	1239	26746	2.5	26976
965	UH21084-005	Aqueous	AC 02	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	56	10	B	ug/L	1	08/23/2019	1239	26746	2.5	26976
966	UH21084-006	Solid	AC 02-S	08/21/2019	No List	160.3	% Solids	SESI-0001	53.8	0.000		%	1	08/21/2019	2356	0	0.000	26705
967	UH21084-006	Solid	AC 02-S	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	Pending	0.50		mg/kg	1		0	26924	0.20	0
968	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Acetone	67-64-1	550	33		ug/kg	1	08/22/2019	1642	0	13	26716
969	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Benzene	71-43-2	95	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
970	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromodichloromethane	75-27-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
971	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromoform	75-25-2	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
972	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	8.3		ug/kg	1	08/22/2019	1642	0	5.0	26716
973	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	2-Butanone (MEK)	78-93-3	62	33		ug/kg	1	08/22/2019	1642	0	6.6	26716
974	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Carbon disulfide	75-15-0	3.4	8.3	J	ug/kg	1	08/22/2019	1642	0	3.3	26716
975	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Carbon tetrachloride	56-23-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
976	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chlorobenzene	108-90-7	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
977	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chloroethane	75-00-3	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
978	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chloroform	67-66-3	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
979	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	8.3		ug/kg	1	08/22/2019	1642	0	5.0	26716
980	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Cyclohexane	110-82-7	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
981	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
982	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Dibromochloromethane	124-48-1	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
983	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
984	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichlorobenzene	95-50-1	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
985	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,3-Dichlorobenzene	541-73-1	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
986	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,4-Dichlorobenzene	106-46-7	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
987	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Dichlorodifluoromethane	75-71-8	ND	8.3		ug/kg	1	08/22/2019	1642	0	5.0	26716
988	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1-Dichloroethane	75-34-3	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
989	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichloroethane	107-06-2	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
990	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1-Dichloroethene	75-35-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
991	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
992	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
993	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichloropropane	78-87-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
994	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
995	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
996	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Ethylbenzene	100-41-4	77	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
997	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	2-Hexanone	591-78-6	ND	17		ug/kg	1	08/22/2019	1642	0	6.6	26716
998	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Isopropylbenzene	98-82-8	5.9	8.3	J	ug/kg	1	08/22/2019	1642	0	3.3	26716
999	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methyl acetate	79-20-9	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1000	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1001	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	4-Methyl-2-pentanone	108-10-1	ND	17		ug/kg	1	08/22/2019	1642	0	6.6	26716
1002	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methylcyclohexane	108-87-2	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1003	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methylene chloride	75-09-2	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1004	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Styrene	100-42-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1005	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1006	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Tetrachloroethene	127-18-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1007	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Toluene	108-88-3	39	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1008	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1009	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1010	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,1-Trichloroethane	71-55-6	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1011	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,2-Trichloroethane	79-00-5	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1012	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Trichloroethene	79-01-6	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1013	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Trichlorofluoromethane	75-69-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	3.3	26716
1014	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Vinyl chloride	75-01-4	ND	8.3		ug/kg	1	08/22/2019	1642	0	5.0	26716

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1015	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Xylenes (total)	1330-20-7	39	17		ug/kg	1	08/22/2019	1642	0	6.6	26716
1016	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichloroethane-d4	17060-07-0	107	53-142		%	1	08/22/2019	1642	0	53	26716
1017	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromofluorobenzene	460-00-4	82	47-138		%	1	08/22/2019	1642	0	47	26716
1018	UH21084-006	Solid	AC 02-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Toluene-d8	2037-26-5	143	68-124		%	1	08/22/2019	1642	0	68	26716
1019	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Pentane	SESI-TIC	4.5	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1020	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Cyclotrisiloxane, hexamethyl-	SESI-TIC	5.4	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1021	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Cyclotetrasiloxane, octamethyl-	SESI-TIC	8.1	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1022	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Heptane, 2,2,4,6,6-pentamethyl-	SESI-TIC	4.7	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1023	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Unknown	SESI-TIC	4.4	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1024	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Unknown	SESI-TIC	6.9	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1025	UH21084-006	Solid	AC 02-S	08/21/2019	VOC Library Search	8260B	Bicyclo[2.2.1]heptan-2-one, 1,3,3-trimet	SESI-TIC	4.5	0.00		ug/kg	1	08/22/2019	1642	0	0.00	26806
1026	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1027	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1028	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1029	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1030	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1031	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1032	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1033	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1034	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1035	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1036	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1037	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1038	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1039	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1040	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1041	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1042	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1043	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1044	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1045	UH21084-006	Solid	AC 02-S	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1046	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Acenaphthene	83-32-9	Pending	2.7		ug/kg	1		0	26872	0.83	0
1047	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Acenaphthylene	208-96-8	Pending	2.7		ug/kg	1		0	26872	0.95	0
1048	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Acetophenone	98-86-2	Pending	13		ug/kg	1		0	26872	5.0	0
1049	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Anthracene	120-12-7	Pending	2.7		ug/kg	1		0	26872	0.51	0
1050	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Atrazine	1912-24-9	Pending	13		ug/kg	1		0	26872	5.0	0
1051	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzaldehyde	100-52-7	Pending	13		ug/kg	1		0	26872	5.0	0
1052	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(a)anthracene	56-55-3	Pending	2.7		ug/kg	1		0	26872	0.59	0
1053	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(a)pyrene	50-32-8	Pending	2.7		ug/kg	1		0	26872	0.66	0
1054	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	2.7		ug/kg	1		0	26872	0.50	0
1055	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	2.7		ug/kg	1		0	26872	0.65	0
1056	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	2.7		ug/kg	1		0	26872	0.48	0
1057	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	1,1'-Biphenyl	92-52-4	Pending	13		ug/kg	1		0	26872	5.0	0
1058	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	13		ug/kg	1		0	26872	5.0	0
1059	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Butyl benzyl phthalate	85-68-7	Pending	13		ug/kg	1		0	26872	5.0	0
1060	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Caprolactam	105-60-2	Pending	13		ug/kg	1		0	26872	5.0	0
1061	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Carbazole	86-74-8	Pending	13		ug/kg	1		0	26872	5.0	0
1062	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	13		ug/kg	1		0	26872	5.0	0
1063	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	13		ug/kg	1		0	26872	5.0	0
1064	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Chloroaniline	106-47-8	Pending	13		ug/kg	1		0	26872	5.0	0
1065	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	13		ug/kg	1		0	26872	5.0	0
1066	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	13		ug/kg	1		0	26872	5.0	0
1067	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Chloronaphthalene	91-58-7	Pending	13		ug/kg	1		0	26872	5.0	0
1068	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Chlorophenol	95-57-8	Pending	13		ug/kg	1		0	26872	5.0	0
1069	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	13		ug/kg	1		0	26872	5.0	0
1070	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Chrysene	218-01-9	Pending	2.7		ug/kg	1		0	26872	0.45	0
1071	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	2.7		ug/kg	1		0	26872	0.51	0
1072	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Dibenzofuran	132-64-9	Pending	13		ug/kg	1		0	26872	5.0	0
1073	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	13		ug/kg	1		0	26872	5.0	0
1074	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dichlorophenol	120-83-2	Pending	13		ug/kg	1		0	26872	5.0	0
1075	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Diethylphthalate	84-66-2	Pending	13		ug/kg	1		0	26872	5.0	0
1076	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Dimethyl phthalate	131-11-3	Pending	13		ug/kg	1		0	26872	7.4	0
1077	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dimethylphenol	105-67-9	Pending	13		ug/kg	1		0	26872	5.0	0
1078	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Di-n-butyl phthalate	84-74-2	Pending	13		ug/kg	1		0	26872	5.0	0
1079	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	67		ug/kg	1		0	26872	25	0
1080	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dinitrophenol	51-28-5	Pending	67		ug/kg	1		0	26872	25	0
1081	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	27		ug/kg	1		0	26872	10	0
1082	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	27		ug/kg	1		0	26872	10	0
1083	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Di-n-octylphthalate	117-84-0	Pending	13		ug/kg	1		0	26872	5.0	0
1084	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	67		ug/kg	1		0	26872	25	0
1085	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Fluoranthene	206-44-0	Pending	2.7		ug/kg	1		0	26872	0.42	0
1086	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Fluorene	86-73-7	Pending	2.7		ug/kg	1		0	26872	0.57	0
1087	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachlorobenzene	118-74-1	Pending	13		ug/kg	1		0	26872	5.0	0
1088	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachlorobutadiene	87-68-3	Pending	13		ug/kg	1		0	26872	5.0	0
1089	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	67		ug/kg	1		0	26872	25	0
1090	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachloroethane	67-72-1	Pending	13		ug/kg	1		0	26872	5.0	0
1091	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	2.7		ug/kg	1		0	26872	1.0	0
1092	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Isophorone	78-59-1	Pending	13		ug/kg	1		0	26872	5.0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1093	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Methylnaphthalene	91-57-6	Pending	2.7		ug/kg	1		0	26872	0.99	0
1094	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Methylphenol	95-48-7	Pending	13		ug/kg	1		0	26872	5.0	0
1095	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	3+4-Methylphenol	106-44-5	Pending	27		ug/kg	1		0	26872	10	0
1096	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Naphthalene	91-20-3	Pending	2.7		ug/kg	1		0	26872	0.97	0
1097	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Nitroaniline	88-74-4	Pending	27		ug/kg	1		0	26872	10	0
1098	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	3-Nitroaniline	99-09-2	Pending	27		ug/kg	1		0	26872	10	0
1099	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Nitroaniline	100-01-6	Pending	27		ug/kg	1		0	26872	10	0
1100	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Nitrobenzene	98-95-3	Pending	13		ug/kg	1		0	26872	5.0	0
1101	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Nitrophenol	88-75-5	Pending	27		ug/kg	1		0	26872	10	0
1102	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Nitrophenol	100-02-7	Pending	67		ug/kg	1		0	26872	25	0
1103	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	13		ug/kg	1		0	26872	5.0	0
1104	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	13		ug/kg	1		0	26872	5.0	0
1105	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Pentachlorophenol	87-86-5	Pending	67		ug/kg	1		0	26872	25	0
1106	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Phenanthrene	85-01-8	Pending	2.7		ug/kg	1		0	26872	0.72	0
1107	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Phenol	108-95-2	Pending	13		ug/kg	1		0	26872	5.0	0
1108	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Pyrene	129-00-0	Pending	2.7		ug/kg	1		0	26872	0.50	0
1109	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	13		ug/kg	1		0	26872	5.0	0
1110	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	13		ug/kg	1		0	26872	5.0	0
1111	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Fluorobiphenyl	321-60-8	Pending	100		%	1		0	26872	33	0
1112	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Fluorophenol	367-12-4	Pending	120		%	1		0	26872	35	0
1113	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Nitrobenzene-d5	4165-60-0	Pending	110		%	1		0	26872	22	0
1114	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Phenol-d5	4165-62-2	Pending	120		%	1		0	26872	33	0
1115	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Terphenyl-d14	1718-51-0	Pending	120		%	1		0	26872	41	0
1116	UH21084-006	Solid	AC 02-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	120		%	1		0	26872	30	0
1117	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1016	12674-11-2	ND	180		ug/kg	10	08/23/2019	1226	26812	48	26891
1118	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1221	11104-28-2	ND	180		ug/kg	10	08/23/2019	1226	26812	41	26891
1119	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1232	11141-16-5	ND	180		ug/kg	10	08/23/2019	1226	26812	37	26891
1120	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1242	53469-21-9	ND	180		ug/kg	10	08/23/2019	1226	26812	27	26891
1121	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1248	12672-29-6	ND	180		ug/kg	10	08/23/2019	1226	26812	72	26891
1122	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1254	11097-69-1	ND	180		ug/kg	10	08/23/2019	1226	26812	44	26891
1123	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1260	11096-82-5	ND	180		ug/kg	10	08/23/2019	1226	26812	43	26891
1124	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Decachlorobiphenyl	2051-24-3	143	41-132		%	10	08/23/2019	1226	26812	41	26891
1125	UH21084-006	Solid	AC 02-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Tetrachloro-m-xylene	877-09-8	114	35-106		%	10	08/23/2019	1226	26812	35	26891
1126	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Aldrin	309-00-2	ND	880		ug/kg	500	08/27/2019	338	26813	110	27048
1127	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	gamma-BHC (Lindane)	58-89-9	ND	880		ug/kg	500	08/27/2019	338	26813	180	27048
1128	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	alpha-BHC	319-84-6	ND	880		ug/kg	500	08/27/2019	338	26813	110	27048
1129	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	beta-BHC	319-85-7	ND	880		ug/kg	500	08/27/2019	338	26813	230	27048
1130	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	delta-BHC	319-86-8	ND	880		ug/kg	500	08/27/2019	338	26813	180	27048
1131	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Chlordane	57-74-9	ND	1800		ug/kg	500	08/27/2019	338	26813	810	27048
1132	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	cis-Chlordane	5103-71-9	ND	880		ug/kg	500	08/27/2019	338	26813	190	27048
1133	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	trans-Chlordane	5103-74-2	ND	880		ug/kg	500	08/27/2019	338	26813	120	27048
1134	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	4,4'-DDD	72-54-8	ND	880		ug/kg	500	08/27/2019	338	26813	160	27048
1135	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	4,4'-DDE	72-55-9	ND	880		ug/kg	500	08/27/2019	338	26813	120	27048
1136	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	4,4'-DDT	50-29-3	ND	880		ug/kg	500	08/27/2019	338	26813	130	27048
1137	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Dieldrin	60-57-1	ND	880		ug/kg	500	08/27/2019	338	26813	120	27048
1138	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endosulfan I	959-98-8	ND	880		ug/kg	500	08/27/2019	338	26813	170	27048
1139	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endosulfan II	33213-65-9	ND	880		ug/kg	500	08/27/2019	338	26813	230	27048
1140	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endosulfan sulfate	1031-07-8	ND	880		ug/kg	500	08/27/2019	338	26813	180	27048
1141	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endrin	72-20-8	ND	880		ug/kg	500	08/27/2019	338	26813	200	27048
1142	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endrin aldehyde	7421-93-4	ND	880		ug/kg	500	08/27/2019	338	26813	120	27048
1143	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endrin ketone	53494-70-5	ND	880		ug/kg	500	08/27/2019	338	26813	140	27048
1144	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Heptachlor	76-44-8	ND	880		ug/kg	500	08/27/2019	338	26813	120	27048
1145	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Heptachlor epoxide	1024-57-3	ND	880		ug/kg	500	08/27/2019	338	26813	140	27048
1146	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Methoxychlor	72-43-5	ND	3500		ug/kg	500	08/27/2019	338	26813	170	27048
1147	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Toxaphene	8001-35-2	ND	8800		ug/kg	500	08/27/2019	338	26813	3100	27048
1148	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Decachlorobiphenyl	2051-24-3	0.00	57-110		%	500	08/27/2019	338	26813	57	27048
1149	UH21084-006	Solid	AC 02-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Tetrachloro-m-xylene	877-09-8	0.00	39-116		%	500	08/27/2019	338	26813	39	27048
1150	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	10000	15		mg/kg	1	08/26/2019	2228	26960	3.8	27110
1151	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	0.53	0.76	BJ	mg/kg	1	08/26/2019	2228	26960	0.30	27110
1152	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	9.5	0.76		mg/kg	1	08/26/2019	2228	26960	0.30	27110
1153	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	56	1.9		mg/kg	1	08/26/2019	2228	26960	0.47	27110
1154	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	0.10	0.15	J	mg/kg	1	08/26/2019	2228	26960	0.051	27110
1155	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	0.20	0.20		mg/kg	1	08/26/2019	2228	26960	0.038	27110
1156	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	19000	150		mg/kg	1	08/26/2019	2228	26960	45	27110
1157	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	20	1.9		mg/kg	1	08/26/2019	2228	26960	0.84	27110
1158	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	3.4	1.9		mg/kg	1	08/26/2019	2228	26960	0.45	27110
1159	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	31	1.9		mg/kg	1	08/26/2019	2228	26960	0.49	27110
1160	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	14000	20		mg/kg	1	08/26/2019	2228	26960	3.8	27110
1161	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	24	0.38		mg/kg	1	08/26/2019	2228	26960	0.10	27110
1162	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	2500	150		mg/kg	1	08/26/2019	2228	26960	38	27110
1163	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	150	1.9		mg/kg	1	08/26/2019	2228	26960	0.55	27110
1164	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	7471B	Mercury	7439-97-6	ND	0.15		mg/kg	1	08/23/2019	1101	26730	0.036	26897
1165	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	9.9	1.9		mg/kg	1	08/26/2019	2228	26960	0.45	27110
1166	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	1100	150	B	mg/kg	1	08/26/2019	2228	26960	38	27110
1167	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	ND	1.9		mg/kg	1	08/26/2019	2228	26960	0.71	27110
1168	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	0.38		mg/kg	1	08/26/2019	2228	26960	0.091	27110
1169	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	270	150		mg/kg	1	08/26/2019	2228	26960	55	27110
1170	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	0.12	0.19	J	mg/kg	1	08/26/2019	2228	26960	0.045	27110

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1171	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	46	1.9		mg/kg	1	08/26/2019	2228	26960	0.38	27110
1172	UH21084-006	Solid	AC 02-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	150	3.8		mg/kg	1	08/26/2019	2228	26960	0.76	27110
1173	UH21084-007	Aqueous	AC 03	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/23/2019	1906	26810	5.0	26834
1174	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	82	100	J	ug/L	5	08/24/2019	318	0	25	26929
1175	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	9.9	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1176	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1177	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1178	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1179	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	318	0	2.0	26929
1180	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	17	50	J	ug/L	5	08/24/2019	318	0	10	26929
1181	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	Pending	5.0		ug/L	1		0	0	2.0	27153
1182	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1183	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1184	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	318	0	2.0	26929
1185	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1186	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	318	0	2.5	26929
1187	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1188	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1189	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1190	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1191	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1192	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1193	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1194	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	318	0	3.0	26929
1195	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1196	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1197	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1198	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1199	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1200	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1201	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1202	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1203	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	4.2	5.0	J	ug/L	5	08/24/2019	318	0	2.0	26929
1204	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	318	0	10	26929
1205	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1206	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1207	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1208	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	318	0	10	26929
1209	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	318	0	2.0	26929
1210	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1211	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.1	26929
1212	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1213	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1214	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	6.2	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1215	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	318	0	2.1	26929
1216	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1217	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1218	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1219	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1220	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1221	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1222	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1223	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1224	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	318	0	2.0	26929
1225	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	100	70-130		%	5	08/24/2019	318	0	70	26929
1226	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	94	70-130		%	5	08/24/2019	318	0	70	26929
1227	UH21084-007	Aqueous	AC 03	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	98	70-130		%	5	08/24/2019	318	0	70	26929
1228	UH21084-007	Aqueous	AC 03	08/21/2019	VOC Library Search	8260B	None Detected	SESI-TIC		0.00		ug/L	1		0	0	0.00	26933
1229	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1230	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1231	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1232	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1233	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1234	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1235	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1236	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1237	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1238	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1239	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1240	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1241	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1242	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1243	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1244	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1245	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1246	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1247	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1248	UH21084-007	Aqueous	AC 03	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1249	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0
1250	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
1251	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
1252	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
1253	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
1254	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
1255	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
1256	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
1257	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
1258	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
1259	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
1260	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
1261	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
1262	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
1263	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
1264	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
1265	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
1266	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
1267	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0
1268	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
1269	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
1270	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
1271	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
1272	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
1273	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
1274	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
1275	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
1276	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
1277	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
1278	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
1279	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
1280	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
1281	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0
1282	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
1283	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
1284	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
1285	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
1286	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
1287	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
1288	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
1289	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
1290	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0
1291	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
1292	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
1293	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
1294	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
1295	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
1296	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
1297	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
1298	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
1299	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
1300	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
1301	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
1302	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
1303	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
1304	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
1305	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
1306	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
1307	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
1308	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
1309	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
1310	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
1311	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
1312	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
1313	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0
1314	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
1315	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
1316	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
1317	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
1318	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
1319	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0
1320	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	Pending	0.40		ug/L	1		0	26969	0.15	27136
1321	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	Pending	0.40		ug/L	1		0	26969	0.25	27136
1322	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
1323	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	Pending	0.40		ug/L	1		0	26969	0.15	27136
1324	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	Pending	0.40		ug/L	1		0	26969	0.15	27136
1325	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	Pending	0.40		ug/L	1		0	26969	0.15	27136
1326	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	Pending	0.40		ug/L	1		0	26969	0.15	27136

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1327	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	Pending	130		%	1		0	26969	10	27136
1328	UH21084-007	Aqueous	AC 03	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26969	31	27136
1329	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
1330	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
1331	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
1332	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
1333	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1334	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
1335	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
1336	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1337	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
1338	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
1339	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
1340	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1341	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
1342	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1343	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1344	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
1345	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0
1346	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
1347	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
1348	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
1349	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
1350	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
1351	UH21084-007	Aqueous	AC 03	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
1352	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	550	40		ug/L	1	08/23/2019	1245	26746	10	26976
1353	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	26	2.0		ug/L	1	08/23/2019	1245	26746	0.50	26976
1354	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	130	2.0		ug/L	1	08/23/2019	1245	26746	1.3	26976
1355	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	77	5.0		ug/L	1	08/23/2019	1245	26746	1.3	26976
1356	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1245	26746	0.15	26976
1357	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	0.15	0.50	J	ug/L	1	08/23/2019	1245	26746	0.13	26976
1358	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	720000	4000		ug/L	10	08/23/2019	1402	26746	1000	26976
1359	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	60	5.0		ug/L	1	08/23/2019	1245	26746	1.3	26976
1360	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	2.1	5.0	J	ug/L	1	08/23/2019	1245	26746	1.3	26976
1361	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	42	5.0		ug/L	1	08/23/2019	1245	26746	1.3	26976
1362	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	4200	50		ug/L	1	08/23/2019	1245	26746	13	26976
1363	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	2.6	1.0		ug/L	1	08/23/2019	1245	26746	0.25	26976
1364	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	25000	400		ug/L	1	08/23/2019	1245	26746	50	26976
1365	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	520	5.0		ug/L	1	08/23/2019	1245	26746	1.3	26976
1366	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	ND	0.00020		mg/L	1	08/24/2019	851	26841	0.000091	27007
1367	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	15	5.0		ug/L	1	08/23/2019	1245	26746	1.3	26976
1368	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	30000	400		ug/L	1	08/23/2019	1245	26746	100	26976
1369	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	2.6	5.0	J	ug/L	1	08/23/2019	1245	26746	1.3	26976
1370	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1245	26746	0.25	26976
1371	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	110000	400		ug/L	1	08/23/2019	1245	26746	150	26976
1372	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1245	26746	0.15	26976
1373	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	12	5.0		ug/L	1	08/23/2019	1245	26746	2.5	26976
1374	UH21084-007	Aqueous	AC 03	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	110	10	B	ug/L	1	08/23/2019	1245	26746	2.5	26976
1375	UH21084-008	Solid	AC 03-S	08/21/2019	No List		% Solids	SESI-0001	75.3	0.000		%	1	08/21/2019	2356	0	0.000	26705
1376	UH21084-008	Solid	AC 03-S	08/21/2019	No List		Cyanide - Total	57-12-5	Pending	0.50		mg/kg	1		0	26924	0.20	0
1377	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Acetone	67-64-1	370	25		ug/kg	1	08/22/2019	1704	0	9.9	26716
1378	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Benzene	71-43-2	18	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1379	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromodichloromethane	75-27-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1380	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromoform	75-25-2	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1381	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	6.2		ug/kg	1	08/22/2019	1704	0	3.7	26716
1382	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	2-Butanone (MEK)	78-93-3	15	25	J	ug/kg	1	08/22/2019	1704	0	4.9	26716
1383	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Carbon disulfide	75-15-0	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1384	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Carbon tetrachloride	56-23-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1385	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chlorobenzene	108-90-7	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1386	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chloroethane	75-00-3	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1387	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chloroform	67-66-3	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1388	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	6.2		ug/kg	1	08/22/2019	1704	0	3.7	26716
1389	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Cyclohexane	110-82-7	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1390	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1391	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Dibromochloromethane	124-48-1	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1392	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1393	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichlorobenzene	95-50-1	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1394	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,3-Dichlorobenzene	541-73-1	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1395	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,4-Dichlorobenzene	106-46-7	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1396	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Dichlorodifluoromethane	75-71-8	ND	6.2		ug/kg	1	08/22/2019	1704	0	3.7	26716
1397	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1-Dichloroethane	75-34-3	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1398	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichloroethane	107-06-2	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1399	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1-Dichloroethene	75-35-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1400	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1401	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1402	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichloropropane	78-87-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1403	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1404	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1405	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Ethylbenzene	100-41-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1406	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	2-Hexanone	591-78-6	ND	12		ug/kg	1	08/22/2019	1704	0	4.9	26716
1407	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Isopropylbenzene	98-82-8	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1408	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methyl acetate	79-20-9	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1409	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1410	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	4-Methyl-2-pentanone	108-10-1	ND	12		ug/kg	1	08/22/2019	1704	0	4.9	26716
1411	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methylcyclohexane	108-87-2	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1412	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Methylene chloride	75-09-2	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1413	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Styrene	100-42-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1414	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1415	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Tetrachloroethene	127-18-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1416	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Toluene	108-88-3	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1417	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1418	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1419	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,1-Trichloroethane	71-55-6	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1420	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,1,2-Trichloroethane	79-00-5	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1421	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Trichloroethene	79-01-6	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1422	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Trichlorofluoromethane	75-69-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	2.5	26716
1423	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Vinyl chloride	75-01-4	ND	6.2		ug/kg	1	08/22/2019	1704	0	3.7	26716
1424	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Xylenes (total)	1330-20-7	ND	12		ug/kg	1	08/22/2019	1704	0	4.9	26716
1425	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	1,2-Dichloroethane-d4	17060-07-0	110	53-142		%	1	08/22/2019	1704	0	53	26716
1426	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Bromofluorobenzene	460-00-4	93	47-138		%	1	08/22/2019	1704	0	47	26716
1427	UH21084-008	Solid	AC 03-S	08/21/2019	TCL VOCs (OLM04.3)	8260B	Toluene-d8	2037-26-5	122	68-124		%	1	08/22/2019	1704	0	68	26716
1428	UH21084-008	Solid	AC 03-S	08/21/2019	VOC Library Search	8260B	None Detected	SESI-TIC		0.00		ug/kg	1		0	0	0.00	26806
1429	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1430	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1431	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1432	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1433	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1434	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1435	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1436	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1437	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1438	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1439	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1440	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1441	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1442	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1443	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1444	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1445	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1446	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1447	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1448	UH21084-008	Solid	AC 03-S	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/kg	1		0	0	0.00	0
1449	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Acenaphthene	83-32-9	Pending	2.7		ug/kg	1		0	26872	0.83	0
1450	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Acenaphthylene	208-96-8	Pending	2.7		ug/kg	1		0	26872	0.95	0
1451	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Acetophenone	98-86-2	Pending	13		ug/kg	1		0	26872	5.0	0
1452	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Anthracene	120-12-7	Pending	2.7		ug/kg	1		0	26872	0.51	0
1453	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Atrazine	1912-24-9	Pending	13		ug/kg	1		0	26872	5.0	0
1454	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzaldehyde	100-52-7	Pending	13		ug/kg	1		0	26872	5.0	0
1455	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(a)anthracene	56-55-3	Pending	2.7		ug/kg	1		0	26872	0.59	0
1456	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(a)pyrene	50-32-8	Pending	2.7		ug/kg	1		0	26872	0.66	0
1457	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	2.7		ug/kg	1		0	26872	0.50	0
1458	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	2.7		ug/kg	1		0	26872	0.65	0
1459	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	2.7		ug/kg	1		0	26872	0.48	0
1460	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	1,1'-Biphenyl	92-52-4	Pending	13		ug/kg	1		0	26872	5.0	0
1461	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	13		ug/kg	1		0	26872	5.0	0
1462	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Butyl benzyl phthalate	85-68-7	Pending	13		ug/kg	1		0	26872	5.0	0
1463	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Caprolactam	105-60-2	Pending	13		ug/kg	1		0	26872	5.0	0
1464	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Carbazole	86-74-8	Pending	13		ug/kg	1		0	26872	5.0	0
1465	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	13		ug/kg	1		0	26872	5.0	0
1466	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	13		ug/kg	1		0	26872	5.0	0
1467	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Chloroaniline	106-47-8	Pending	13		ug/kg	1		0	26872	5.0	0
1468	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	13		ug/kg	1		0	26872	5.0	0
1469	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	13		ug/kg	1		0	26872	5.0	0
1470	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Chloronaphthalene	91-58-7	Pending	13		ug/kg	1		0	26872	5.0	0
1471	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Chlorophenol	95-57-8	Pending	13		ug/kg	1		0	26872	5.0	0
1472	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	13		ug/kg	1		0	26872	5.0	0
1473	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Chrysene	218-01-9	Pending	2.7		ug/kg	1		0	26872	0.45	0
1474	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	2.7		ug/kg	1		0	26872	0.51	0
1475	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Dibenzofuran	132-64-9	Pending	13		ug/kg	1		0	26872	5.0	0
1476	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	13		ug/kg	1		0	26872	5.0	0
1477	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dichlorophenol	120-83-2	Pending	13		ug/kg	1		0	26872	5.0	0
1478	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Diethylphthalate	84-66-2	Pending	13		ug/kg	1		0	26872	5.0	0
1479	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Dimethyl phthalate	131-11-3	Pending	13		ug/kg	1		0	26872	7.4	0
1480	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dimethylphenol	105-67-9	Pending	13		ug/kg	1		0	26872	5.0	0
1481	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Di-n-butyl phthalate	84-74-2	Pending	13		ug/kg	1		0	26872	5.0	0
1482	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	67		ug/kg	1		0	26872	25	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1483	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dinitrophenol	51-28-5	Pending	67		ug/kg	1		0	26872	25	0
1484	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	27		ug/kg	1		0	26872	10	0
1485	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	27		ug/kg	1		0	26872	10	0
1486	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Di-n-octylphthalate	117-84-0	Pending	13		ug/kg	1		0	26872	5.0	0
1487	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	67		ug/kg	1		0	26872	25	0
1488	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Fluoranthene	206-44-0	Pending	2.7		ug/kg	1		0	26872	0.42	0
1489	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Fluorene	86-73-7	Pending	2.7		ug/kg	1		0	26872	0.57	0
1490	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachlorobenzene	118-74-1	Pending	13		ug/kg	1		0	26872	5.0	0
1491	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachlorobutadiene	87-68-3	Pending	13		ug/kg	1		0	26872	5.0	0
1492	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	67		ug/kg	1		0	26872	25	0
1493	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Hexachloroethane	67-72-1	Pending	13		ug/kg	1		0	26872	5.0	0
1494	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	2.7		ug/kg	1		0	26872	1.0	0
1495	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Isophorone	78-59-1	Pending	13		ug/kg	1		0	26872	5.0	0
1496	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Methylnaphthalene	91-57-6	Pending	2.7		ug/kg	1		0	26872	0.99	0
1497	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Methylphenol	95-48-7	Pending	13		ug/kg	1		0	26872	5.0	0
1498	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	3+4-Methylphenol	106-44-5	Pending	27		ug/kg	1		0	26872	10	0
1499	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Naphthalene	91-20-3	Pending	2.7		ug/kg	1		0	26872	0.97	0
1500	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Nitroaniline	88-74-4	Pending	27		ug/kg	1		0	26872	10	0
1501	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	3-Nitroaniline	99-09-2	Pending	27		ug/kg	1		0	26872	10	0
1502	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Nitroaniline	100-01-6	Pending	27		ug/kg	1		0	26872	10	0
1503	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Nitrobenzene	98-95-3	Pending	13		ug/kg	1		0	26872	5.0	0
1504	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Nitrophenol	88-75-5	Pending	27		ug/kg	1		0	26872	10	0
1505	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	4-Nitrophenol	100-02-7	Pending	67		ug/kg	1		0	26872	25	0
1506	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	13		ug/kg	1		0	26872	5.0	0
1507	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	13		ug/kg	1		0	26872	5.0	0
1508	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Pentachlorophenol	87-86-5	Pending	67		ug/kg	1		0	26872	25	0
1509	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Phenanthrene	85-01-8	Pending	2.7		ug/kg	1		0	26872	0.72	0
1510	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Phenol	108-95-2	Pending	13		ug/kg	1		0	26872	5.0	0
1511	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Pyrene	129-00-0	Pending	2.7		ug/kg	1		0	26872	0.50	0
1512	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	13		ug/kg	1		0	26872	5.0	0
1513	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	13		ug/kg	1		0	26872	5.0	0
1514	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Fluorobiphenyl	321-60-8	Pending	100		%	1		0	26872	33	0
1515	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2-Fluorophenol	367-12-4	Pending	120		%	1		0	26872	35	0
1516	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Nitrobenzene-d5	4165-60-0	Pending	110		%	1		0	26872	22	0
1517	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Phenol-d5	4165-62-2	Pending	120		%	1		0	26872	33	0
1518	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	Terphenyl-d14	1718-51-0	Pending	120		%	1		0	26872	41	0
1519	UH21084-008	Solid	AC 03-S	08/21/2019	TCL SVOCs (OLM04.3) with LLPAHs (Microwave)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	120		%	1		0	26872	30	0
1520	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1016	12674-11-2	ND	130		ug/kg	10	08/23/2019	1306	26812	35	26891
1521	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1221	11104-28-2	ND	130		ug/kg	10	08/23/2019	1306	26812	29	26891
1522	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1232	11141-16-5	ND	130		ug/kg	10	08/23/2019	1306	26812	27	26891
1523	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1242	53469-21-9	ND	130		ug/kg	10	08/23/2019	1306	26812	20	26891
1524	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1248	12672-29-6	ND	130		ug/kg	10	08/23/2019	1306	26812	52	26891
1525	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1254	11097-69-1	ND	130		ug/kg	10	08/23/2019	1306	26812	32	26891
1526	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Aroclor 1260	11096-82-5	ND	130		ug/kg	10	08/23/2019	1306	26812	31	26891
1527	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Decachlorobiphenyl	2051-24-3	104	41-132		%	10	08/23/2019	1306	26812	41	26891
1528	UH21084-008	Solid	AC 03-S	08/21/2019	TCL PCB (Microwave Extraction)	8082A	Tetrachloro-m-xylene	877-09-8	114	35-106		%	10	08/23/2019	1306	26812	35	26891
1529	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Aldrin	309-00-2	ND	130		ug/kg	100	08/27/2019	423	26813	16	27048
1530	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	gamma-BHC (Lindane)	58-89-9	ND	130		ug/kg	100	08/27/2019	423	26813	25	27048
1531	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	alpha-BHC	319-84-6	ND	130		ug/kg	100	08/27/2019	423	26813	15	27048
1532	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	beta-BHC	319-85-7	ND	130		ug/kg	100	08/27/2019	423	26813	33	27048
1533	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	delta-BHC	319-86-8	ND	130		ug/kg	100	08/27/2019	423	26813	27	27048
1534	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Chlordane	57-74-9	ND	250		ug/kg	100	08/27/2019	423	26813	120	27048
1535	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	cis-Chlordane	5103-71-9	ND	130		ug/kg	100	08/27/2019	423	26813	28	27048
1536	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	trans-Chlordane	5103-74-2	ND	130		ug/kg	100	08/27/2019	423	26813	18	27048
1537	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	4,4'-DDD	72-54-8	ND	130		ug/kg	100	08/27/2019	423	26813	23	27048
1538	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	4,4'-DDE	72-55-9	ND	130		ug/kg	100	08/27/2019	423	26813	18	27048
1539	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	4,4'-DDT	50-29-3	ND	130		ug/kg	100	08/27/2019	423	26813	19	27048
1540	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Dieldrin	60-57-1	ND	130		ug/kg	100	08/27/2019	423	26813	18	27048
1541	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endosulfan I	959-98-8	ND	130		ug/kg	100	08/27/2019	423	26813	24	27048
1542	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endosulfan II	33213-65-9	ND	130		ug/kg	100	08/27/2019	423	26813	33	27048
1543	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endosulfan sulfate	1031-07-8	ND	130		ug/kg	100	08/27/2019	423	26813	27	27048
1544	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endrin	72-20-8	ND	130		ug/kg	100	08/27/2019	423	26813	29	27048
1545	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endrin aldehyde	7421-93-4	ND	130		ug/kg	100	08/27/2019	423	26813	18	27048
1546	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Endrin ketone	53494-70-5	ND	130		ug/kg	100	08/27/2019	423	26813	20	27048
1547	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Heptachlor	76-44-8	ND	130		ug/kg	100	08/27/2019	423	26813	18	27048
1548	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Heptachlor epoxide	1024-57-3	ND	130		ug/kg	100	08/27/2019	423	26813	20	27048
1549	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Methoxychlor	72-43-5	ND	510		ug/kg	100	08/27/2019	423	26813	24	27048
1550	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Toxaphene	8001-35-2	ND	1300		ug/kg	100	08/27/2019	423	26813	450	27048
1551	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Decachlorobiphenyl	2051-24-3	135	57-110		%	100	08/27/2019	423	26813	57	27048
1552	UH21084-008	Solid	AC 03-S	08/21/2019	TCL Pesticides (Microwave Extraction)	8081B	Tetrachloro-m-xylene	877-09-8	116	39-116		%	100	08/27/2019	423	26813	39	27048
1553	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	18000	9.7		mg/kg	1	08/26/2019	2222	26960	2.4	27110
1554	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	ND	0.48		mg/kg	1	08/26/2019	2222	26960	0.19	27110
1555	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	0.86	0.48		mg/kg	1	08/26/2019	2222	26960	0.19	27110
1556	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	76	1.2		mg/kg	1	08/26/2019	2222	26960	0.30	27110
1557	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	0.21	0.097		mg/kg	1	08/26/2019	2222	26960	0.033	27110
1558	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	ND	0.13		mg/kg	1	08/26/2019	2222	26960	0.024	27110
1559	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	2000	97		mg/kg	1	08/26/2019	2222	26960	29	27110
1560	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	20	1.2		mg/kg	1	08/26/2019	2222	26960	0.54	27110

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1561	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	0.86	1.2	J	mg/kg	1	08/26/2019	2222	26960	0.29	27110
1562	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	1.3	1.2		mg/kg	1	08/26/2019	2222	26960	0.32	27110
1563	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	7900	13		mg/kg	1	08/26/2019	2222	26960	2.4	27110
1564	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	13	0.24		mg/kg	1	08/26/2019	2222	26960	0.066	27110
1565	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	700	97		mg/kg	1	08/26/2019	2222	26960	24	27110
1566	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	22	1.2		mg/kg	1	08/26/2019	2222	26960	0.35	27110
1567	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	7471B	Mercury	7439-97-6	ND	0.10		mg/kg	1	08/23/2019	1104	26730	0.025	26897
1568	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	2.6	1.2		mg/kg	1	08/26/2019	2222	26960	0.29	27110
1569	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	270	97	B	mg/kg	1	08/26/2019	2222	26960	24	27110
1570	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	0.63	1.2	J	mg/kg	1	08/26/2019	2222	26960	0.46	27110
1571	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	0.059	0.24	J	mg/kg	1	08/26/2019	2222	26960	0.058	27110
1572	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	270	97		mg/kg	1	08/26/2019	2222	26960	35	27110
1573	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	0.15	0.12		mg/kg	1	08/26/2019	2222	26960	0.029	27110
1574	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	26	1.2		mg/kg	1	08/26/2019	2222	26960	0.24	27110
1575	UH21084-008	Solid	AC 03-S	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	8.5	2.4		mg/kg	1	08/26/2019	2222	26960	0.48	27110
1576	UH21084-009	Aqueous	AC 04	08/21/2019	No List	9012B	Cyanide - Total	57-12-5	ND	20		ug/L	1	08/24/2019	1411	26810	5.0	26834
1577	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	87	100	J	ug/L	5	08/24/2019	340	0	25	26929
1578	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	7.8	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1579	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1580	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1581	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1582	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	340	0	2.0	26929
1583	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	15	50	J	ug/L	5	08/24/2019	340	0	10	26929
1584	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	6.0	5.0		ug/L	5	08/27/2019	600	0	2.0	27101
1585	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1586	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1587	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	340	0	2.0	26929
1588	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1589	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1590	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	340	0	2.5	26929
1591	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1592	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1593	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1594	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1595	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1596	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1597	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	340	0	3.0	26929
1598	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1599	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1600	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1601	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1602	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1603	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1604	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1605	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1606	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	3.1	5.0	J	ug/L	5	08/24/2019	340	0	2.0	26929
1607	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	340	0	10	26929
1608	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1609	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1610	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1611	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	340	0	10	26929
1612	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	340	0	2.0	26929
1613	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1614	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.1	26929
1615	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1616	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1617	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	5.2	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1618	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	340	0	2.1	26929
1619	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1620	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1621	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1622	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1623	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1624	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1625	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1626	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1627	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	340	0	2.0	26929
1628	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	101	70-130		%	5	08/24/2019	340	0	70	26929
1629	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	101	70-130		%	5	08/24/2019	340	0	70	26929
1630	UH21084-009	Aqueous	AC 04	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	102	70-130		%	5	08/24/2019	340	0	70	26929
1631	UH21084-009	Aqueous	AC 04	08/21/2019	VOC Library Search	8260B	Methanethiol	SESI-TIC	33	0.00		ug/L	5	08/24/2019	340	0	0.00	26933
1632	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 1	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1633	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 10	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1634	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 11	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1635	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 12	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1636	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 13	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1637	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 14	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1638	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 15	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1639	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 16	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1640	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 17	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1641	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 18	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1642	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 19	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1643	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 2	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1644	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 20	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1645	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 3	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1646	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 4	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1647	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 5	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1648	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 6	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1649	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 7	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1650	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 8	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1651	UH21084-009	Aqueous	AC 04	08/21/2019	SVOC Library Search	8270D	TIC 9	SESI-TIC	Pending	0.00		ug/L	1		0	0	0.00	0
1652	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthene	83-32-9	Pending	0.16		ug/L	1		0	26966	0.040	0
1653	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acenaphthylene	208-96-8	Pending	0.16		ug/L	1		0	26966	0.040	0
1654	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Acetophenone	98-86-2	Pending	0.80		ug/L	1		0	26966	0.23	0
1655	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Anthracene	120-12-7	Pending	0.16		ug/L	1		0	26966	0.040	0
1656	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Atrazine	1912-24-9	Pending	0.80		ug/L	1		0	26966	0.20	0
1657	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzaldehyde	100-52-7	Pending	4.0		ug/L	1		0	26966	0.27	0
1658	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)anthracene	56-55-3	Pending	0.16		ug/L	1		0	26966	0.040	0
1659	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(a)pyrene	50-32-8	Pending	0.16		ug/L	1		0	26966	0.040	0
1660	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(b)fluoranthene	205-99-2	Pending	0.16		ug/L	1		0	26966	0.040	0
1661	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(g,h,i)perylene	191-24-2	Pending	0.16		ug/L	1		0	26966	0.040	0
1662	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Benzo(k)fluoranthene	207-08-9	Pending	0.16		ug/L	1		0	26966	0.040	0
1663	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	1,1'-Biphenyl	92-52-4	Pending	0.80		ug/L	1		0	26966	0.21	0
1664	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Bromophenyl phenyl ether	101-55-3	Pending	0.80		ug/L	1		0	26966	0.15	0
1665	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Butyl benzyl phthalate	85-68-7	Pending	4.0		ug/L	1		0	26966	0.21	0
1666	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Caprolactam	105-60-2	Pending	4.0		ug/L	1		0	26966	0.71	0
1667	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Carbazole	86-74-8	Pending	0.80		ug/L	1		0	26966	0.040	0
1668	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis (2-Chloro-1-methylethyl) ether	108-60-1	Pending	0.80		ug/L	1		0	26966	0.17	0
1669	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloro-3-methyl phenol	59-50-7	Pending	0.80		ug/L	1		0	26966	0.26	0
1670	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chloroaniline	106-47-8	Pending	0.80		ug/L	1		0	26966	0.13	0
1671	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethoxy)methane	111-91-1	Pending	0.80		ug/L	1		0	26966	0.060	0
1672	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Chloroethyl)ether	111-44-4	Pending	0.80		ug/L	1		0	26966	0.16	0
1673	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chloronaphthalene	91-58-7	Pending	0.80		ug/L	1		0	26966	0.15	0
1674	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Chlorophenol	95-57-8	Pending	0.80		ug/L	1		0	26966	0.15	0
1675	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Chlorophenyl phenyl ether	7005-72-3	Pending	0.80		ug/L	1		0	26966	0.16	0
1676	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Chrysene	218-01-9	Pending	0.16		ug/L	1		0	26966	0.040	0
1677	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzo(a,h)anthracene	53-70-3	Pending	0.16		ug/L	1		0	26966	0.040	0
1678	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dibenzofuran	132-64-9	Pending	0.80		ug/L	1		0	26966	0.16	0
1679	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3,3'-Dichlorobenzidine	91-94-1	Pending	4.0		ug/L	1		0	26966	0.81	0
1680	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dichlorophenol	120-83-2	Pending	0.80		ug/L	1		0	26966	0.19	0
1681	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Diethylphthalate	84-66-2	Pending	4.0		ug/L	1		0	26966	0.19	0
1682	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Dimethyl phthalate	131-11-3	Pending	4.0		ug/L	1		0	26966	0.18	0
1683	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dimethylphenol	105-67-9	Pending	0.80		ug/L	1		0	26966	0.15	0
1684	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-butyl phthalate	84-74-2	Pending	4.0		ug/L	1		0	26966	0.42	0
1685	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4,6-Dinitro-2-methylphenol	534-52-1	Pending	4.0		ug/L	1		0	26966	0.89	0
1686	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrophenol	51-28-5	Pending	4.0		ug/L	1		0	26966	1.3	0
1687	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4-Dinitrotoluene	121-14-2	Pending	1.6		ug/L	1		0	26966	0.36	0
1688	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,6-Dinitrotoluene	606-20-2	Pending	1.6		ug/L	1		0	26966	0.34	0
1689	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Di-n-octylphthalate	117-84-0	Pending	4.0		ug/L	1		0	26966	0.48	0
1690	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	bis(2-Ethylhexyl)phthalate	117-81-7	Pending	4.0		ug/L	1		0	26966	0.38	0
1691	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluoranthene	206-44-0	Pending	0.16		ug/L	1		0	26966	0.040	0
1692	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Fluorene	86-73-7	Pending	0.16		ug/L	1		0	26966	0.040	0
1693	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobenzene	118-74-1	Pending	0.80		ug/L	1		0	26966	0.15	0
1694	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorobutadiene	87-68-3	Pending	0.80		ug/L	1		0	26966	0.17	0
1695	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachlorocyclopentadiene	77-47-4	Pending	4.0		ug/L	1		0	26966	1.1	0
1696	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Hexachloroethane	67-72-1	Pending	0.80		ug/L	1		0	26966	0.17	0
1697	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Indeno(1,2,3-c,d)pyrene	193-39-5	Pending	0.16		ug/L	1		0	26966	0.040	0
1698	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Isophorone	78-59-1	Pending	0.80		ug/L	1		0	26966	0.22	0
1699	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylnaphthalene	91-57-6	Pending	0.16		ug/L	1		0	26966	0.040	0
1700	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Methylphenol	95-48-7	Pending	0.80		ug/L	1		0	26966	0.21	0
1701	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3+4-Methylphenol	106-44-5	Pending	1.6		ug/L	1		0	26966	0.46	0
1702	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Naphthalene	91-20-3	Pending	0.16		ug/L	1		0	26966	0.040	0
1703	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitroaniline	88-74-4	Pending	1.6		ug/L	1		0	26966	0.66	0
1704	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	3-Nitroaniline	99-09-2	Pending	1.6		ug/L	1		0	26966	0.15	0
1705	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitroaniline	100-01-6	Pending	1.6		ug/L	1		0	26966	1.3	0
1706	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene	98-95-3	Pending	0.80		ug/L	1		0	26966	0.17	0
1707	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Nitrophenol	88-75-5	Pending	1.6		ug/L	1		0	26966	0.44	0
1708	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	4-Nitrophenol	100-02-7	Pending	4.0		ug/L	1		0	26966	2.1	0
1709	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodi-n-propylamine	621-64-7	Pending	0.80		ug/L	1		0	26966	0.28	0
1710	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	N-Nitrosodiphenylamine (Diphenylamine)	86-30-6	Pending	0.80		ug/L	1		0	26966	0.50	0
1711	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pentachlorophenol	87-86-5	Pending	4.0		ug/L	1		0	26966	1.3	0
1712	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenanthrene	85-01-8	Pending	0.16		ug/L	1		0	26966	0.040	0
1713	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol	108-95-2	Pending	0.80		ug/L	1		0	26966	0.19	0
1714	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Pyrene	129-00-0	Pending	0.16		ug/L	1		0	26966	0.040	0
1715	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,5-Trichlorophenol	95-95-4	Pending	0.80		ug/L	1		0	26966	0.19	0
1716	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Trichlorophenol	88-06-2	Pending	0.80		ug/L	1		0	26966	0.22	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1717	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorobiphenyl	321-60-8	Pending	130		%	1		0	26966	37	0
1718	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2-Fluorophenol	367-12-4	Pending	130		%	1		0	26966	24	0
1719	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Nitrobenzene-d5	4165-60-0	Pending	130		%	1		0	26966	38	0
1720	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Phenol-d5	4165-62-2	Pending	130		%	1		0	26966	28	0
1721	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	Terphenyl-d14	1718-51-0	Pending	150		%	1		0	26966	10	0
1722	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Semivolatiles with LLPAHs (w/1MN) (RVE)	8270D	2,4,6-Tribromophenol	118-79-6	Pending	140		%	1		0	26966	35	0
1723	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1016	12674-11-2	Pending	0.40		ug/L	1		0	26969	0.15	27136
1724	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1221	11104-28-2	Pending	0.40		ug/L	1		0	26969	0.25	27136
1725	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1232	11141-16-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
1726	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1242	53469-21-9	Pending	0.40		ug/L	1		0	26969	0.15	27136
1727	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1248	12672-29-6	Pending	0.40		ug/L	1		0	26969	0.15	27136
1728	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1254	11097-69-1	Pending	0.40		ug/L	1		0	26969	0.15	27136
1729	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Aroclor 1260	11096-82-5	Pending	0.40		ug/L	1		0	26969	0.15	27136
1730	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Decachlorobiphenyl	2051-24-3	Pending	130		%	1		0	26969	10	27136
1731	UH21084-009	Aqueous	AC 04	08/21/2019	TCL PCB (RVE)	8082A	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26969	31	27136
1732	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Aldrin	309-00-2	Pending	0.040		ug/L	1		0	26968	0.020	0
1733	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	gamma-BHC (Lindane)	58-89-9	Pending	0.040		ug/L	1		0	26968	0.017	0
1734	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	alpha-BHC	319-84-6	Pending	0.040		ug/L	1		0	26968	0.015	0
1735	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	beta-BHC	319-85-7	Pending	0.040		ug/L	1		0	26968	0.015	0
1736	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	delta-BHC	319-86-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1737	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	cis-Chlordane	5103-71-9	Pending	0.040		ug/L	1		0	26968	0.015	0
1738	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	trans-Chlordane	5103-74-2	Pending	0.040		ug/L	1		0	26968	0.015	0
1739	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDD	72-54-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1740	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDE	72-55-9	Pending	0.040		ug/L	1		0	26968	0.020	0
1741	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	4,4'-DDT	50-29-3	Pending	0.040		ug/L	1		0	26968	0.020	0
1742	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Dieldrin	60-57-1	Pending	0.040		ug/L	1		0	26968	0.015	0
1743	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan I	959-98-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1744	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan II	33213-65-9	Pending	0.040		ug/L	1		0	26968	0.015	0
1745	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Endosulfan sulfate	1031-07-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1746	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin	72-20-8	Pending	0.040		ug/L	1		0	26968	0.015	0
1747	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin aldehyde	7421-93-4	Pending	0.040		ug/L	1		0	26968	0.015	0
1748	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Endrin ketone	53494-70-5	Pending	0.040		ug/L	1		0	26968	0.015	0
1749	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor	76-44-8	Pending	0.040		ug/L	1		0	26968	0.021	0
1750	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Heptachlor epoxide	1024-57-3	Pending	0.040		ug/L	1		0	26968	0.016	0
1751	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Methoxychlor	72-43-5	Pending	0.16		ug/L	1		0	26968	0.021	0
1752	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Toxaphene	8001-35-2	Pending	0.40		ug/L	1		0	26968	0.30	0
1753	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Decachlorobiphenyl	2051-24-3	Pending	120		%	1		0	26968	20	0
1754	UH21084-009	Aqueous	AC 04	08/21/2019	TCL Pesticides (RVE)	8081B	Tetrachloro-m-xylene	877-09-8	Pending	120		%	1		0	26968	46	0
1755	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Aluminum	7429-90-5	210	40		ug/L	1	08/23/2019	1251	26746	10	26976
1756	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Antimony	7440-36-0	26	2.0		ug/L	1	08/23/2019	1251	26746	0.50	26976
1757	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Arsenic	7440-38-2	180	2.0		ug/L	1	08/23/2019	1251	26746	1.3	26976
1758	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Barium	7440-39-3	97	5.0		ug/L	1	08/23/2019	1251	26746	1.3	26976
1759	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Beryllium	7440-41-7	ND	0.40		ug/L	1	08/23/2019	1251	26746	0.15	26976
1760	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cadmium	7440-43-9	ND	0.50		ug/L	1	08/23/2019	1251	26746	0.13	26976
1761	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Calcium	7440-70-2	730000	4000		ug/L	10	08/23/2019	1408	26746	1000	26976
1762	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Chromium	7440-47-3	55	5.0		ug/L	1	08/23/2019	1251	26746	1.3	26976
1763	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Cobalt	7440-48-4	2.0	5.0	J	ug/L	1	08/23/2019	1251	26746	1.3	26976
1764	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Copper	7440-50-8	34	5.0		ug/L	1	08/23/2019	1251	26746	1.3	26976
1765	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Iron	7439-89-6	3700	50		ug/L	1	08/23/2019	1251	26746	13	26976
1766	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Lead	7439-92-1	2.0	1.0		ug/L	1	08/23/2019	1251	26746	0.25	26976
1767	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Magnesium	7439-95-4	32000	400		ug/L	1	08/23/2019	1251	26746	50	26976
1768	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Manganese	7439-96-5	610	5.0		ug/L	1	08/23/2019	1251	26746	1.3	26976
1769	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	7470A	Mercury	7439-97-6	0.00011	0.00020	J	mg/L	1	08/24/2019	854	26841	0.000091	27007
1770	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Nickel	7440-02-0	17	5.0		ug/L	1	08/23/2019	1251	26746	1.3	26976
1771	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Potassium	7440-09-7	43000	400		ug/L	1	08/23/2019	1251	26746	100	26976
1772	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Selenium	7782-49-2	3.3	5.0	J	ug/L	1	08/23/2019	1251	26746	1.3	26976
1773	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Silver	7440-22-4	ND	1.0		ug/L	1	08/23/2019	1251	26746	0.25	26976
1774	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Sodium	7440-23-5	140000	4000		ug/L	10	08/23/2019	1408	26746	1500	26976
1775	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Thallium	7440-28-0	ND	0.50		ug/L	1	08/23/2019	1251	26746	0.15	26976
1776	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Vanadium	7440-62-2	16	5.0		ug/L	1	08/23/2019	1251	26746	2.5	26976
1777	UH21084-009	Aqueous	AC 04	08/21/2019	ICP-MS TAL Metals (with Hg)	6020B	Zinc	7440-66-6	89	10	B	ug/L	1	08/23/2019	1251	26746	2.5	26976
1778	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	ND	20		ug/L	1	08/23/2019	2153	0	5.0	26929
1779	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1780	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1781	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1782	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1783	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	2.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1784	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	ND	10		ug/L	1	08/23/2019	2153	0	2.0	26929
1785	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	ND	1.0		ug/L	1	08/27/2019	514	0	0.40	27101
1786	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1787	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1788	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	2.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1789	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1790	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	1.0		ug/L	1	08/23/2019	2153	0	0.50	26929
1791	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1792	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1793	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1794	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1795	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1796	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1797	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1798	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	2.0		ug/L	1	08/23/2019	2153	0	0.60	26929
1799	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1800	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1801	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1802	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1803	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1804	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1805	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1806	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1807	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1808	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	10		ug/L	1	08/23/2019	2153	0	2.0	26929
1809	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1810	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1811	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1812	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	10		ug/L	1	08/23/2019	2153	0	2.0	26929
1813	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	5.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1814	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1815	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.41	26929
1816	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1817	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1818	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1819	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.0		ug/L	1	08/23/2019	2153	0	0.42	26929
1820	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1821	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1822	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1823	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1824	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1825	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1826	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1827	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1828	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	1.0		ug/L	1	08/23/2019	2153	0	0.40	26929
1829	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	96	70-130		%	1	08/23/2019	2153	0	70	26929
1830	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	91	70-130		%	1	08/23/2019	2153	0	70	26929
1831	UH21084-010	Aqueous	AC 08 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	101	70-130		%	1	08/23/2019	2153	0	70	26929
1832	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	ND	20		ug/L	1	08/23/2019	2216	0	5.0	26929
1833	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1834	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1835	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1836	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1837	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	2.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1838	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	ND	10		ug/L	1	08/23/2019	2216	0	2.0	26929
1839	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	ND	1.0		ug/L	1	08/27/2019	537	0	0.40	27101
1840	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1841	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1842	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	2.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1843	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1844	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	1.0		ug/L	1	08/23/2019	2216	0	0.50	26929
1845	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1846	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1847	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1848	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1849	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1850	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1851	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1852	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	2.0		ug/L	1	08/23/2019	2216	0	0.60	26929
1853	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1854	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1855	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1856	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1857	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1858	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1859	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1860	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1861	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1862	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	10		ug/L	1	08/23/2019	2216	0	2.0	26929
1863	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1864	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1865	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1866	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	10		ug/L	1	08/23/2019	2216	0	2.0	26929
1867	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	5.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1868	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1869	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.41	26929
1870	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1871	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1872	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1873	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.42	26929
1874	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1875	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1876	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1877	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1878	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1879	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1880	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1881	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1882	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1883	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	98	70-130		%	1	08/23/2019	2216	0	70	26929
1884	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	103	70-130		%	1	08/23/2019	2216	0	70	26929
1885	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	103	70-130		%	1	08/23/2019	2216	0	70	26929
1886	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	160	100		ug/L	5	08/24/2019	403	0	25	26929
1887	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	15	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1888	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1889	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1890	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1891	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	403	0	2.0	26929
1892	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	32	50	J	ug/L	5	08/24/2019	403	0	10	26929
1893	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	6.1	5.0		ug/L	5	08/27/2019	623	0	2.0	27101
1894	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1895	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1896	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	403	0	2.0	26929
1897	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1898	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	403	0	2.5	26929
1899	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1900	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1901	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	403	0	3.0	26929
1902	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1903	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1904	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1905	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1906	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	403	0	2.0	26929
1907	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1908	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1909	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1910	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1911	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1912	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1913	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1914	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1915	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1916	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	403	0	10	26929
1917	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1918	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1919	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1920	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	403	0	10	26929
1921	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	403	0	2.0	26929
1922	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1923	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.1	26929
1924	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1925	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1926	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	3.7	5.0	J	ug/L	5	08/24/2019	403	0	2.0	26929
1927	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.1	26929
1928	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1929	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1930	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1931	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1932	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1933	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1934	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1935	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1936	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1937	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	101	70-130		%	5	08/24/2019	403	0	70	26929
1938	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	92	70-130		%	5	08/24/2019	403	0	70	26929
1939	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	96	70-130		%	5	08/24/2019	403	0	70	26929
1940	UH21084-012	Aqueous	AC 07 A	08/22/2019	VOC Library Search	8260B	None Detected	SESI-TIC		0.00		ug/L	1		0	0	0.00	26933
1941	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	ND	20		ug/L	1	08/23/2019	2239	0	5.0	26929
1942	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1943	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1944	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1945	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1946	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	2.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1947	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	ND	10		ug/L	1	08/23/2019	2239	0	2.0	26929
1948	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1949	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1950	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1951	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	2.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1952	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1953	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.50	26929
1954	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1955	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1956	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1957	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1958	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1959	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1960	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1961	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	2.0		ug/L	1	08/23/2019	2239	0	0.60	26929
1962	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1963	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1964	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1965	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1966	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1967	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1968	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1969	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1970	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1971	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	10		ug/L	1	08/23/2019	2239	0	2.0	26929
1972	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1973	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1974	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1975	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	10		ug/L	1	08/23/2019	2239	0	2.0	26929
1976	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	5.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1977	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1978	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.41	26929
1979	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1980	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1981	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1982	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.42	26929
1983	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1984	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1985	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1986	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1987	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1988	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1989	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1990	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1991	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1992	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	97	70-130		%	1	08/23/2019	2239	0	70	26929
1993	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	92	70-130		%	1	08/23/2019	2239	0	70	26929
1994	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	99	70-130		%	1	08/23/2019	2239	0	70	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1873	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.42	26929
1874	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1875	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1876	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1877	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1878	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1879	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1880	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1881	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1882	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	1.0		ug/L	1	08/23/2019	2216	0	0.40	26929
1883	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	98	70-130		%	1	08/23/2019	2216	0	70	26929
1884	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	103	70-130		%	1	08/23/2019	2216	0	70	26929
1885	UH21084-011	Aqueous	AC 09 TB	08/21/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	103	70-130		%	1	08/23/2019	2216	0	70	26929
1886	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	160	100		ug/L	5	08/24/2019	403	0	25	26929
1887	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	15	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1888	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1889	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1890	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1891	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	10		ug/L	5	08/24/2019	403	0	2.0	26929
1892	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	32	50	J	ug/L	5	08/24/2019	403	0	10	26929
1893	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	6.1	5.0		ug/L	5	08/27/2019	623	0	2.0	27101
1894	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1895	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1896	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	10		ug/L	5	08/24/2019	403	0	2.0	26929
1897	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1898	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	5.0		ug/L	5	08/24/2019	403	0	2.5	26929
1899	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1900	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1901	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1902	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1903	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1904	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1905	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1906	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	10		ug/L	5	08/24/2019	403	0	3.0	26929
1907	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1908	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1909	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1910	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1911	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1912	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1913	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1914	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1915	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1916	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	50		ug/L	5	08/24/2019	403	0	10	26929
1917	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1918	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1919	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1920	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	50		ug/L	5	08/24/2019	403	0	10	26929
1921	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	25		ug/L	5	08/24/2019	403	0	2.0	26929
1922	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1923	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.1	26929
1924	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1925	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1926	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	3.7	5.0	J	ug/L	5	08/24/2019	403	0	2.0	26929
1927	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.1	26929
1928	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1929	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1930	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1931	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1932	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1933	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1934	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1935	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1936	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	5.0		ug/L	5	08/24/2019	403	0	2.0	26929
1937	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	101	70-130		%	5	08/24/2019	403	0	70	26929
1938	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	92	70-130		%	5	08/24/2019	403	0	70	26929
1939	UH21084-012	Aqueous	AC 07 A	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	96	70-130		%	5	08/24/2019	403	0	70	26929
1940	UH21084-012	Aqueous	AC 07 A	08/22/2019	VOC Library Search	8260B	None Detected	SESI-TIC		0.00		ug/L	1		0	0	0.00	26933
1941	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Acetone	67-64-1	ND	20		ug/L	1	08/23/2019	2239	0	5.0	26929
1942	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Benzene	71-43-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1943	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromochloromethane	74-97-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1944	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromodichloromethane	75-27-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1945	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromoform	75-25-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1946	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromomethane (Methyl bromide)	74-83-9	ND	2.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1947	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Butanone (MEK)	78-93-3	ND	10		ug/L	1	08/23/2019	2239	0	2.0	26929
1948	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon disulfide	75-15-0	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1949	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Carbon tetrachloride	56-23-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1950	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chlorobenzene	108-90-7	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1951	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroethane	75-00-3	ND	2.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1952	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloroform	67-66-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1953	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Chloromethane (Methyl chloride)	74-87-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.50	26929
1954	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Cyclohexane	110-82-7	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1955	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1956	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dibromochloromethane	124-48-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1957	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dibromoethane (EDB)	106-93-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1958	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichlorobenzene	95-50-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1959	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,3-Dichlorobenzene	541-73-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1960	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,4-Dichlorobenzene	106-46-7	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1961	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Dichlorodifluoromethane	75-71-8	ND	2.0		ug/L	1	08/23/2019	2239	0	0.60	26929
1962	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethane	75-34-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1963	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane	107-06-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1964	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1-Dichloroethene	75-35-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1965	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,2-Dichloroethene	156-59-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1966	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,2-Dichloroethene	156-60-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1967	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloropropane	78-87-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1968	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	cis-1,3-Dichloropropene	10061-01-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1969	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	trans-1,3-Dichloropropene	10061-02-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1970	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Ethylbenzene	100-41-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1971	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	2-Hexanone	591-78-6	ND	10		ug/L	1	08/23/2019	2239	0	2.0	26929
1972	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Isopropylbenzene	98-82-8	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1973	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl acetate	79-20-9	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1974	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methyl tertiary butyl ether (MTBE)	1634-04-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1975	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	4-Methyl-2-pentanone	108-10-1	ND	10		ug/L	1	08/23/2019	2239	0	2.0	26929
1976	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylcyclohexane	108-87-2	ND	5.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1977	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Methylene chloride	75-09-2	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1978	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Styrene	100-42-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.41	26929
1979	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2,2-Tetrachloroethane	79-34-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1980	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Tetrachloroethene	127-18-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1981	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene	108-88-3	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1982	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.42	26929
1983	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,3-Trichlorobenzene	87-61-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1984	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2,4-Trichlorobenzene	120-82-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1985	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,1-Trichloroethane	71-55-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1986	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,1,2-Trichloroethane	79-00-5	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1987	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichloroethene	79-01-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1988	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Trichlorofluoromethane	75-69-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1989	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Vinyl chloride	75-01-4	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1990	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	m+p - Xylenes	179601-23-1	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1991	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	o - Xylenes	95-47-6	ND	1.0		ug/L	1	08/23/2019	2239	0	0.40	26929
1992	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	1,2-Dichloroethane-d4	17060-07-0	97	70-130		%	1	08/23/2019	2239	0	70	26929
1993	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Bromofluorobenzene	460-00-4	92	70-130		%	1	08/23/2019	2239	0	70	26929
1994	UH21084-013	Aqueous	AC 10 TB	08/22/2019	TCL VOCs (SOM02.4) (Low Level)	8260B	Toluene-d8	2037-26-5	99	70-130		%	1	08/23/2019	2239	0	70	26929

From: Tolliver, Ronald <Tolliver.Ronald@epa.gov> on behalf of Tolliver, Ronald
Sent on: Wednesday, August 28, 2019 7:22:02 PM
To: Jenkins, Brandi <Jenkins.Brandi@epa.gov>
CC: Pinkney, James <Pinkney.James@epa.gov>; Miller, Angela <Miller.Angela@epa.gov>; McCullough, Rachel <McCullough.Rachel@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: FW: Able StoryMap

Hi Brandi, when you get some time, can we go over the website update procedures again?

From: Reynolds, Scott <REYNOLDS@dhec.sc.gov>
Sent: Wednesday, August 28, 2019 3:17 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Cc: Marshall, Frances (Fran) <marshaf2@dhec.sc.gov>
Subject: Able StoryMap

I like the way it works for presentation, but noted a few things that may need a bit of attention .

Most important , in the presentation of the Dashboard data for particulate, the legend indicates micrograms per cubic meter and the data (and vertical axis) is in milligrams per cubic meter . Since the standards are in micrograms , it would be better if that potential confusion could be avoided and all data was micrograms per cubic meter. (DHEC data is ug/M3).

I was very interested to see the AQI table with an indication of concentrations for short term exposure since that is what is most immediately reported from the DHEC and EPA monitor graphs. Unfortunately both of the web links in the graphic are incorrect or broken .

Neither

https://airnow.gov/index,cfm?action=resources.aqi_conc_calc (with or without the following text)

nor

https://app.airsis/usfs/aqi.asp

provide any further information.

There is a PM AQI chart with short term values at

https://app.airsis.com/USFS/About/AirQualityIndex

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Saturday, August 31, 2019 11:40:35 AM
To: Byrd, Terrence <Byrd.Terrence@epa.gov>
Subject: FW: Air Sampling Plan: Revision 1
Attachments: Able Contracting Fire ER DRAFT Revision 1.pdf (670.45 KB)

From: Snyder, John <John.Snyder@tetratech.com>
Sent: Friday, August 30, 2019 4:45 PM
To: Adams, Glenn <Adams.Glenn@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>
Cc: chris.jones@tetratech.com
Subject: Air Sampling Plan: Revision 1

Gentlemen,
Attached is the revised air sampling plan. This just builds on the plan submitted earlier. See Section 3.4 and the appendix for information of interest.

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

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Raleigh, NC (Cary) | tetratech.com

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TETRA TECH

TETRA TECH

August 30, 2019

OSC Steve Spurlin
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4

Subject: **Draft Air Monitoring and Sampling Plan, Revision 1**
Able Contracting Fire ER
EPA Contract No. EP-S5-13-01
Technical Direction Document No. TT-01-128

Dear OSC Spurlin:

Tetra Tech, Inc. (Tetra Tech) is submitting this draft air monitoring and sampling plan (revision 1) for the Able Contracting Fire Emergency Response (ER) for your review and approval. This plan summarizes stationary and mobile air monitoring and sampling to be conducted during the Able Contracting Fire ER.

If you have any questions regarding this plan, please contact John Snyder at (770) 402-9013 or via e-mail at john.snyder@tetratech.com.

Respectfully,

John Snyder
Tetra Tech

DRAFT AIR MONITORING AND SAMPLING PLAN, REVISION 1
ABLE CONTRACTING FIRE ER
RIDGELAND, JASPER COUNTY, SOUTH CAROLINA

Prepared for

U.S. Environmental Protection Agency
Emergency Response Branch
Region 4

Submitted by

Tetra Tech, Inc.
Superfund Technical Assessment and Response Team Region 4
1955 Evergreen Blvd., Building 200, Suite 300
Duluth, GA 30096

EPA Contract No. EP-S4-14-03

TDD-01-128

August 30, 2019

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1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) has tasked Tetra Tech. Inc. (Tetra Tech), under the Superfund Technical Assessment and Response Team (START) Contract TDD-01-128 to perform stationary air monitoring and sampling during an emergency response at the Able Contracting Fire Emergency Response (ER) site (the site) in Ridgeland, Jasper County, South Carolina.

2.0 SITE BACKGROUND

The Able Contracting facility is located on Schinger Avenue in Ridgeland, South Carolina. The facility received construction and demolition debris which was shredded as recyclable materials were removed. The Site contains approximately 4 acres of stockpiled material.

The current fire of the stockpiled material began in early July 2019. Able Contracting and local fire departments have worked to extinguish the fire. On July 23, a large water supply pump used by the facility for firefighting was damaged by lightning. Smoke from the smoldering fire continued to increase over the next several days.

The EPA was requested by South Carolina Department Health and Environmental Control (SC DHEC) to conduct air monitoring and sampling to determine if any hazardous substances were being discharged from the smoldering fire. The EPA and Tetra Tech deployed to the Site on July 25. During the initial response activities, Tetra Tech conducted water quality monitoring and collected surface water samples from ditches and a nearby pond.

Ambient air sampling was conducted on July 27th and 28th as close to the smoke plume as possible and downwind of the closest residential property. Samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), formaldehyde, phosgene, metals, and asbestos. Tetra Tech returned to the site on August 2nd and 3rd to conduct additional air sampling to confirm the presence of hazardous substances measured in the previous round of sampling.

On August 9, EPA and Tetra Tech remobilized to the Site and began 24-hour air monitoring. SC DHEC mobilized a response contractor who began water application on August 11 and aggressive firefighting operations with heavy equipment on August 12. The EPA assumed the lead for relocation of residents and aggressive firefighting operations on August 16.

3.0 PROPOSED SAMPLING ACTIVITIES

This section discusses proposed monitoring and sampling activities that will be conducted during the response.

3.1 METEOROLOGICAL MONITORING

Meteorological data for Ridegeland, South Carolina will be obtained from NOAA and recorded using EPA's VIPER Survey Controller software. The data obtained and documented will include:

- Temperature (°F)
- Relative humidity
- Wind direction
- Wind speed
- Current weather conditions (such as sunny or precipitation)

3.2 STATIONARY AIR MONITORING

Tetra Tech and EPA determined stationary air monitoring locations by field conditions such as weather, work activity by other contractors, and direction from EPA. Remote air monitoring instruments were deployed for particulates and chemical constituents. Stationary air monitoring was conducted using AreaRAE Pro monitors and Single Point Monitors (SPM) Flex gas detectors from July 26 through July 28 and August 2 through August 4, 2019. The AreaRAE Pros were outfitted with sensors for measuring oxygen (O_2), lower exposure limit (LEL), hydrogen sulfide (H_2S), volatile organic compounds (VOCs), carbon monoxide (CO), and gamma radiation. The tapes used in the SPM Flexes were monitoring for phosgene.

On August 9, 2019, EPA began stationary air monitoring using AreaRAE Pros, DustTrak aerosol monitors, and E-BAM Portable Environmental Beta-Attenuation Mass Monitors during removal activities. Tetra Tech START stationed four AreaRAE Pros at fixed locations northeast, northwest, and southwest of the pile and near Forrest Concrete southeast of the pile. The AreaRAEs were outfitted with sensors for measuring O_2, LEL, hydrogen cyanide (HCN), H_2S, VOCs, CO, and gamma radiation. The DustTrak monitors measure atmospheric particulate matter with diameters of 2.5 micrometers (µm) (PM2.5), 10 µm (PM10), and total particulate matter (Total PM). The DustTraks are located at the following locations: Grace Coastal Church at 15 Williams Drive; Peacock Collision at 1667 Okatie Highway: and, 240 Short Cut Road. The E-BAMs measure for PM2.5 and are collocated with meteorological stations. The E-BAMs are located at the following locations: the Mobile Command Post (MCP) at 65 Schinger Avenue; the northeastern section of Sun City Neighborhood off Parkway Lane;

and, Brooke Mill Apartments community swimming pool at 46 Seagrass Lane. SC DHEC conducted particulate air monitoring and weather monitoring using the Network Particulate Monitor (NPM) 2 at three locations in the area. Observations will be noted in the field logbook in accordance with Tetra Tech SOP No.24-2.

3.3 WEEK OF 8/19/19 AIR SAMPLING

3.3.1 CHEMICAL AIR SAMPLING

Air sampling will be conducted over a two-day period during the week of August 19th using SUMMA cannisters to collect VOCs, HCN and H_2S. Air sampling will be conducted at the following fixed locations: at the Forrest Concrete location described above and at 352 Schinger Avenue. Air sampling will also be conducted during this time at a locations determined by field conditions such as weather, work activity by other contractors, and direction from EPA. Analytical results will be compared to EPA Region 4 Removal Management Levels (RML) for residential air and used to determine if evacuated residents can return to their homes.

Air sampling for a broad range of compounds will be conducted in accordance with EPA Air Method TO-15, "*Determination of Volatile Organic Compounds (VOCs) in Air Collected in SUMMA Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*". Air samples will be collected in 6-liter (L), stainless steel SUMMA canisters utilizing a 24-hour regulator to collect each sample at a flow rate of approximately 3.8 milliliters per minute (mL/min.). Prior to sampling, each SUMMA canister will be leak tested by conducting a shut-in test to ensure no leaks in any of the connections between the SUMMA canister and regulator. Once deployed, the SUMMA canisters will be set to collect samples over a 24-hour period. Samples are generally run for slightly less than 24 hours to prevent complete depletion of the vacuum in the SUMMA canister. At the beginning and ending of each sample collection period, the time, date, and vacuum pressure are recorded so that volume and sampling rate could be determined for each sample.

In addition to the VOC analysis, SUMMA canister samples will be used to obtain HCN (by Fourier Transfer Infrared [FTIR] spectroscopy) and H_2S (by Method 15) concentrations.

3.3.2 ASBESTOS AIR SAMPLING

Tetra Tech will conduct air sampling at locations around the perimeter of the landfill during removal activities as directed by EPA. EPA and Tetra Tech personnel will select perimeter air sampling locations based on the prevailing wind direction for the sampling period. Results will be used to determine the

presence or absence of airborne fiber concentrations that have the potential to migrate from the site during removal activities, as well as to implement appropriate safety controls. EPA established the site action level to be 0.01 f/cc in accordance with the air asbestos action level for baseline industrial exposure in accordance with OSWER Directive #9200.0-68, *Framework for Investigating Asbestos-Contaminated Superfund Sites*. Air sampling will be conducted using collocated high-volume air sampling pumps and low-volume air sampling pumps fitted with 25 millimeter (mm), 0.8 micrometer (μm) mixed cellulose ester (MCE) filter cassettes that will be analyzed by phase contrast microscopy (PCM). Perimeter air samples will be collected approximately 4 to 5 feet above the ground surface to represent exposures in the breathing zone during removal activities. Filter cassettes will be placed in a downward approximate 45-degree angle position with the inlet caps of the filter cassettes removed (open-faced) during sampling. Daily perimeter air samples for high-volume air sampling pumps will be collected at a flow rate of approximately 10 liters per minute (L/min) or at a flow rate resulting in collection of at least 3,850 liters per minute (L/min) and for low-volume air sampling pumps at a flow rate of 2.5 L/min or at a flow rate resulting in collection of at least 1,200 L/min of air during a 12-hour work shift. The flow rate of the fully assembled air sampling trains will be calibrated and recorded before samples are collected using a Mesa Labs Defender 510 Drycal rotameter or similar device. Once the sampling pumps have been adjusted to the desired flow rate, the initial flow rates recorded will be the average of 10 continuous flow readings. The inlet caps of both the low and high flow rate air filter cassettes will be removed (such that they are open-faced) during sampling. The post-sampling period flow rate (also measured using a Mesa Labs Defender 510 Drycal rotameter or similar device), however, typically will be measured while the air sampling train is still collecting air at its sampling location, just before the sampling period ends. This near-end-of-sampling flow rate measurement will be used in place of measuring the literal post-sampling flow rate. It is important to use the filter cassette for collecting the actual sample while the flow rate is measured before and after samples are collected; this procedure is especially important for the after-sample collection flow rate measurement because loading of dust and other materials during sampling may have altered the flow rate throughout the collection period. Without adjusting the flow rate of the sampling pump, the post-sampling flow rate will be recorded as the average of 10 continuous flow readings.

Perimeter air samples will be analyzed in accordance with the guidelines established in 29 CFR 1926.1101, Appendix A and Appendix B, by a Tetra Tech-procured, American Industrial Hygiene Association- (AIHA) accredited laboratory using National Institute of Occupational Safety and Health (NIOSH) Method 7400, Asbestos and Other Fibers by PCM. The laboratory analytical protocol for analyzing the collocated high flow rate and low flow rate air sample sets are as follows: (1) first attempt

to analyze the high flow rate (high volume) air sample using NIOSH 7400, and, if that sample is overloaded, then (2) proceed to analyze the low flow rate (low volume) air sample by NIOSH 7400. If both the high volume and the low volume air samples in a given collocated set are overloaded, then the laboratory will contact Tetra Tech START for additional instruction for analytical methods.

The results of samples will be used to evaluate the effectiveness of engineering and safety controls in preventing the off-site migration of airborne fiber concentrations during removal activities and provide EPA with information necessary to initiate corrective actions as appropriate. Perimeter air samples that yield PCM results greater than the site established action level of 0.01 f/cc for industrial areas will result in the suspension of removal activities until additional engineering controls are implemented to reduce asbestos fiber levels.

3.4 WEEK OF 9/2/19 AIR SAMPLING

3.4.1 CHEMICAL AIR SAMPLING

Two additional rounds of air sampling will be conducted during the week of 9/2/19. Sampling will be conducted in accordance with the same protocol laid out in Section 3.3.1 using 6-Liter Summa canisters and analyzed for VOCs exclusively.

Proposed locations include (see Figures 1 and 2 in Appendix A):

- 1 commercial location
  - Southern property line at Forrest Concrete
- 3 residential locations
  - 402 Schinger Avenue (plus duplicate sample)
  - 352 Schinger Avenue
  - Sun City development (collocated with EBAM 1)
- 3 background locations
  - Bluffton Township Fire Department Station 34, 25 William Pope Drive
  - Riverbend residential development
  - Hearthstone Lake residential development

3.5 SAMPLE AND ANALYTICAL METHODS SUMMARY

TABLE 1 summarizes the total number of samples, including necessary QA/QC, for each sample medium and analysis. **TABLE 2** provides a list of analytical methods that will be used by the laboratory, including the types of containers, preservation requirements, and hold times.

TABLE 1: SAMPLE SUMMARY

Analytical Parameter	Matrix	Number of Samples	Number of Field Duplicates	Number of MS/MSDs	Field/Trip Blanks
TO-15	Air	TBD	1 duplicate every 20 samples	Not Applicable	Not Applicable
Method 15	Air	TBD	1 duplicate every 20 samples	Not Applicable	Not Applicable
FTIR	Air	TBD	1 duplicate every 20 samples	Not Applicable	Not Applicable
NIOSH 7400	Air	TBD	1 duplicate every 20 samples	Not Applicable	1 per day of PCM air sampling

Notes:

MS/MSD = Matrix spike/matrix spike duplicate
TBD = To Be Determined

TABLE 2: ANALYTICAL METHODS

Matrix	Parameter	Analytical Method	Volumes and Containers	Preservation	Holding Time[1]
Air	VOC	TO-15	6-Liter Summa Canisters with 24 Hour regulators	None	30 Days
Air	HCN	FTIR	6-Liter Summa Canisters with 24 Hour regulators	None	30 Days
Air	H2S	Method 15	6-Liter Summa Canisters with 24 Hour regulators	None	30 Days
Air	Asbestos	NIOSH 7400	Volume: 10.0 liters per minute. Cassette filters: 25 millimeter (mm), 0.8 micrometer (µm) mixed cellulose ester (MCE)	None	N/A

Notes:
1 = Holding time is measured from the time of sample collection to the time of sample extraction and analysis
± = Plus or minus
L = Liters

3.6 TENTATIVE SAMPLE ACTIVITIES DATES

Initial sampling was conducted during the week of August 19th. The second round of sampling will be conducted during the week of September 2nd.

4.0 SAMPLE HANDLING

Sampling locations will be noted in the site logbook in accordance with procedures outlined in SESDPROC-010-R5, Logbooks, dated May 5, 2013. The samples collected will be labeled, packaged, and shipped in accordance with procedures outlined in SESDPROC-209-R3, Packaging, Marking, Labeling, and Shipping of Environmental and Waste Samples, dated February 4, 2015.

5.0 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

This section describes the QA/QC procedures for the removal activities at the site. Specifically, this section addresses field QC procedures, data evaluation, and data management.

5.1 FIELD QUALITY CONTROL

QC samples will be collected to evaluate field sampling methods, and overall reproducibility of laboratory analytical results. Specifically, QC samples will be collected at the following frequencies:

- Field duplicate samples: one per 20 investigative samples

Each field duplicate sample will be collected for every 20 field samples from location next to the initial sample location. Field duplicate samples will be processed, stored, packaged, and analyzed according to the same methods applied to the investigative samples.

Tetra Tech will validate the laboratory results, in accordance with EPA National Functional Guidelines for Inorganic Superfund Methods Data Review and Organic Superfund Methods Data Review. Corrective actions may include resampling, reassessment of the laboratory's methods, and/or the addition of data qualifiers to the laboratory results.

5.2 DATA EVALUATION AND MANAGEMENT

Tetra Tech will use direct-reading instruments connected to EPAs wireless telemetry system, Viper, along with data logging capability for air monitoring equipment. Data will be downloaded from the instruments and evaluated daily.

Air monitoring instruments used to collect data at the site will log data internally, checked to ensure that data logging is enabled, and that sufficient memory space remains on the instrument at the start of each run and after battery changeouts. Tetra Tech personnel will also check to ensure that the date and time are correct at the start of each run. Tetra Tech personnel will download all data logs related to the site at the

conclusion of the response or when the memory on any instrument is approaching capacity, whichever comes first. Data logs may also be downloaded from any instrument at the request of the EPA at any time during the response. EPA's VIPER Survey Controller software, which provides telemetry to view data remotely in real-time and logs data in a secure location managed by EPA Environmental Response Team (ERT).

Depending on the analytical results for air samples collected, EPA, in conjunction with EPAs Scientific Support Team, the Agency for Toxic Substances and Disease Registry (ATSDR), and SC DHEC will determine if further sampling is necessary.

APPENDIX A

FIGURES

Acie Contracting Fire
Residential, plus Duplicate
Residential
Commercial

Figure 1

Background 3
Able Contracting Fire
Residential 2
Residential 1 plus Duplicate
Commercial
170
Sun City
Background 2
276
Background 1

Figure 2

Share Copy link Download Delete Copy to Version history Previous 24 of 61

From: Russell, Chris <Russell.Chris@epa.gov> on behalf of Russell, Chris
Sent on: Wednesday, August 28, 2019 10:28:39 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>; Rhame, Kenneth <Rhame.Kenneth@epa.gov>
Subject: FW: Couple of thoughts on our approach To R4's Hurricane Dorian Response

Just some thoughts, whatcha think?

Respectfully,

Chris Russell
Federal On Scene Coordinator
US EPA Region 4: Florida Outpost
Cell: (850) 274-1575

From: Russell, Chris
Sent: Wednesday, August 28, 2019 6:21 PM
To: Jim Webster <webster.james@epa.gov>; MOORE.TONY@EPA.GOV; Andrew, Gary <Andrew.Gary@epa.gov>
Subject: Couple of thoughts on our approach To R4's Hurricane Dorian Response

Good Afternoon Gents:

Historically, one of the most challenging issues OSC's face when responding to a Hurricane is finding adequate lodging. In turn, for Hurricane Dorian, it may be beneficial to incorporate a geographic approach to finding lodging well ahead of the storm, to ensure our responders have adequate lodging.

At this particular time, there is adequate lodging available, at the Gov rate in areas where the storm is projected to make landfall. In lieu of waiting until EPA receives a request to provide support for assessments, landfill teams, etc. we could assign logistical staff to reserve rooms in "geographic blocks", i.e. have a logistical lead for an area that covers X amount of Counties (10 is probably a good number or take the projected # of counties to be impacted and work backwards from there), and then those logistical leads could start making reservations for a group of EPA employees who may respond. It would be advantageous to make these reservations starting 48 hours after it's projected that the Hurricane will clear that particular geographic block. It would also be advantageous to book these rooms for a week at a time (ensuring that there are no penalties for not staying a set number of nights, if so, choose another hotel). Lastly, it's my recommendation that these rooms be located as close to hospitals and airports as possible, as the electrical grids for these entities tend to come back quicker than in other areas. Naturally, concentrating on areas that have vast amounts of regulated facilities, hazwaste sites, etc would be optimal.

Using Daytona Beach as the point for Dorian making landfall, I ran a beta test myself a little while ago. I found that there are an ample number of rooms in Daytona Beach and inland. I used 9/4/19 as the beginning date and 9/11/19 as the end date. Plenty of rooms have a 48 hour cancellation period, in turn, we should have a solid idea of where the storm is going (or has gone) by Monday the 2nd and if those rooms need to be cancelled they could be cancelled without penalty. It would be my suggestion that should you implement this approach, you pick a lead for a geographic area, then that lead make one-week reservations for 4-6 rooms starting on the 4th, then do the same thing for the 5th, the same thing for the 6th, the same thing for the 7th, 8th, etc. You can cancel the reservations not needed and then use the ones that are. This would provide a great amount of flexibility in regards

From: Adams, Glenn <Adams.Glenn@epa.gov> on behalf of Adams, Glenn
Sent on: Wednesday, August 28, 2019 6:25:10 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Frederick, Tim <Frederick.Tim@epa.gov>
Subject: FW: Data summary from earlier rounds of sampling
Attachments: Draft_Summary Tables Able Contracting_round 2 added.pdf (104.21 KB)

Steve,
We are looking at the data now. On the previous 2 rounds (attached is the last one) START gave us this summary. That would help speed up our review if we can get a summary like this for the most recent data too.
Thanks,
Glenn

From: Garrard, Jordan <Garrard.Jordan@epa.gov>
Sent: Thursday, August 8, 2019 11:57 AM
To: Moore, Tony <moore.tony@epa.gov>; Chan, Sydney <chan.sydney@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>; Webster, James <Webster.James@epa.gov>; Turner, Nardina <Turner.Nardina@epa.gov>; Adams, Glenn <Adams.Glenn@epa.gov>
Subject: FW: Data summary

From: Snyder, John <John.Snyder@tetratech.com>
Sent: Thursday, August 8, 2019 11:32 AM
To: Garrard, Jordan <Garrard.Jordan@epa.gov>
Subject: Data summary

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

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TETRA TECH

ABLE CONTRACTING FIRE
AIR SAMPLES
Summary of Detections
DATA HAS NOT BEEN QC'd - NOT FOR PUBLIC DISTRIBUTION

	EPA RMLs	BACKGROUND	STATION 1 (SE Corner)	STATION 2 (SW Corner)	STATION 1 (SE Corner)	STATION 2 (SW Corner)	STATION 1 (SE Corner)	STATION 2 (SW Corner)	STATION 1 (SE Corner)	STATION 2 (SW Corner)
		ACF-AS-BKGD-072819	ACF-AS-RES-AM-072719	ACF-AS-SMOKE-AM-072719	ACF-AS-RES-PM-072719	ACF-AS-SMOKE-PM-072719	ACF-AS-RES-AM-072819	ACF-AS-SMOKE-AM-072819	ACF-AS-RES-PM-072819	ACF-AS-SMOKE-PM-072819
		Sample Volume	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*
ce)		*946.3 Liters*	*767 Liters*	*898.6 Liters*	*965.3 Liters*	*913.3 Liters*	-	-	-	-
		None detected	None detected	None detected	None detected	None detected	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
)		*537.10 Liters*	-	-	-	-	*473.90 Liters*	*603.90 Liters*	*542.50 Liters*	*550.50 Liters*
	0.94	[illegible]	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*	[illegible]	[illegible]	[illegible]	[illegible]
g/m³)		*516.20 Liters*	*410.60 Liters*	*411.80 Liters*	*541.50 Liters*	*549.50 Liters*	-	-	-	-
	22	**4.88**	**1.70**	**2.50**	**3.04**	**6.09**	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
		776.6 Liters	*672.6 Liters*	*657.5 Liters*	*744.8 Liters*	*784.6 Liters*	-	-	-	-
	16	**0.55**	**0.77**	**0.52**	**0.5**	**0.48**	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
	1.6	**0.11**	**0.13**	**0.25**	**0.13**	**0.11**				
	Not Listed	**52.7**	**0.54**	**55.1**	**48**	**41.3**				
	Not Listed	**0.73**	**0.89**	**0.9**	**1.1**	**0.75**				
	Not Listed	**0.93**	**1.3**	**0.87**	**0.81**	**0.86**				
	Not Listed	**9.6**	**11.2**	**11.5**	**10.4**	**8.5**				
	Not Listed	**12.7**	**15.8**	**16.5**	**14.7**	**12**				
Compounds (µg/m³)		-	-	-	-	-	-	-	-	-
	97,000	**12**	**8.66**	**7.51**	**10.5**	**16.1**	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
	190	**1.85**	**2.17**	**0.892**	**0.99**	**1.63**				
	0.063	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	4.1	0.159 U	0.159 U	0.158 U	0.163 U	0.202 U				
	36	**2.52**	**6.46**	**3.4**	**2.5**	**15.1**				
	16	0.275 U	0.276 U	0.274 U	0.282 U	0.277 U				
	6.3	**0.749**	**1.06**	**0.689**	**0.769**	**2.21**				
	2,200	**0.214**	**0.514**	**0.279**	**0.444**	**0.405**				
de	47	**0.481**	**0.482**	**0.478**	**0.496**	**0.466**				
	160	0.339 U	0.34 U	0.338 U	0.348 U	0.342 U				
	31,000	0.19 U	0.191 U	0.19 U	0.195 U	**0.276**				
	280	**1.23**	**4.76**	**2.95**	**1.23**	**11.6**				
	3,100	**0.999**	**0.262**	0.25 U	**0.803**	0.253 U				
	56	**0.321**	**0.294**	0.26 U	0.267 U	**0.374**				
	Not Listed	**16.7**	**4.28**	**2.33**	**9.26**	**2.56**				
	220	0.259 U	0.261 U	0.259 U	0.266 U	0.262 U				
	110	**2.07**	**3.36**	**1.12**	**0.768**	**5.86**				
	Not Listed	**0.913**	0.355 U	0.354 U	0.363 U	0.357 U				
	Not Listed	**1.18**	**1.38**	**1.33**	**1.4**	**1.28**				
	Not Listed	**2.33**	**2.4**	**2.38**	**2.41**	**2.36**				
₃)	Not Listed	**0.554**	**0.66**	**0.547**	**0.605**	**0.577**				
	1,300	**2.26**	**0.769**	**0.365**	**0.891**	**1**				
	2,200	**4.05**	**1.55**	**0.647**	**2.37**	**1.43**				
	630	**0.404**	**0.468**	**0.434**	**0.949**	**0.478**				
	Not Listed	0.357 U	**0.838**	**0.421**	0.366 U	**1.06**				
e (2-Butanone)	16,000	**1.02**	**0.847**	**0.805**	**0.612**	**1.57**				
tone	9,400	0.302 U	**0.373**	0.302 U	0.31 U	0.305 U				
te	2,200	0.304 U	0.305 U	0.303 U	0.312 U	**0.857**				
ther	1,100	0.264 U	0.265 U	0.264 U	**0.312**	0.267 U				
e	1,900	**0.691**	**0.871**	**0.674**	**0.999**	**0.651**				
	8.3	**0.336**	0.39 U	0.388 U	0.398 U	**0.537**				
	Not Listed	**0.99**	**0.353**	0.334 U	0.343 U	**0.562**				
	3,100	**0.629**	0.359 U	0.357 U	0.367 U	0.361 U				
	9,400	**2.91**	**7.88**	**3.99**	**2.96**	**14.2**				
	3,100	**0.348**	**1.71**	**2.13**	**0.446**	**8.66**				
	1,100	0.489 U	0.491 U	0.489 U	**0.736**	0.494 U				
	6,300	0.213 U	**0.472**	**0.373**	0.218 U	**0.796**				
	16,000	**9.82**	**6.48**	**2.62**	**5.08**	**7.6**				
nzene	190	**3.23**	**0.784**	**0.318**	**0.817**	**0.414**				
nzene	190	**0.898**	0.354 U	0.352 U	0.362 U	0.356 U				
ntane	Not Listed	**2.12**	**0.684**	0.342 U	**0.487**	0.346 U				
	310	**6.86**	**2.37**	**0.941**	**2.51**	**1.66**				
	310	**2.75**	**0.95**	**0.362**	**0.916**	**0.759**				
anic Compounds (µg/m³)		*439.4 Liters*	*486.2 Liters*	*562.5 Liters*	*421.4 Liters*	*438.3 Liters*	-	-	-	-
nic Compounds		None detected	None detected	None detected	None detected	None detected	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J	The identification of the analyte is acceptable; the reported value is an estimate
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ+3.0)
U	The analyte was not detected at or above the reporting limit
UJ	The analyte was
BOLD	Bolded values
BOLD	Shaded and **bolded** values exceed the April 2019 Residential RMLs

ABLE Contracting Inc.
DDO No. FF-01-128

ABLE CONTRACTING FIRE
AIR SAMPLES
Summary of Detections
DATA HAS NOT BEEN QC'd - NOT FOR PUBLIC DISTRIBUTION

Analyte	EPA RMLs	STATION 1 (SE Corner) ACF-AS-RES-24HRVOC	STATION 2 (West Side) ACF-AS-SMOKE-24HRVOC	STATION 3 (Upwind) ACF-AS-UPWIND-24HRVOC		STATION 1 (SE Corner) ACF-AS-RES-NIGHT	STATION 2 (West Side) ACF-AS-SMOKE-NIGHT	STATION 3 (Upwind) ACF-AS-UPWIND-NIGHT		STATION 1 (SE Corner) ACF-AS-RES-DAY	STATION 2 (West Side) ACF-AS-SMOKE-DAY
		Sample Volume	*Sample Volume*	*Sample Volume*		*Sample Volume*	*Sample Volume*	*Sample Volume*		*Sample Volume*	*Sample Volume*
Asbestos (fibers/cc)		-	-	-		-	-	-		-	-
Asbestos		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Phosgene (µg/m³)						*623.80 Liters*	*556.80 Liters*	*520.80 Liters*		*535.20 Liters*	*542.40 Liters*
Phosgene	0.94	*Not sampled*	*Not sampled*	*Not sampled*		**0.652 J**	**1.02 J**	**0.501 J**		0.277 J	**1.22 J**
Formaldehyde (µg/m³)		-	-	-		-	-	-		-	-
Formaldehyde	22	*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Metals (µg/m³)		-	-	-		-	-	-		-	-
Aluminum	16	*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Barium	1.6										
Calcium	Not Listed										
Chromium	Not Listed										
Iron	Not Listed										
Magnesium	Not Listed										
Sodium	Not Listed										
Volatile Organic Compounds (µg/m³)		-	-	-		-	-	-		-	-
Acetone	97,000	**6.87**	**14.7**	**5.46**		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Acetonitrile	190	**1.17**	**3.64**	**0.893**							
Acrolein	0.063	**0.997**	**2.98**	**0.276**							
Acrylonitrile	4.1	1.53 U	**0.946**	0.155 U							
Benzene	36	**2.00**	**26.2**	0.223 U							
Bromomethane	16	0.26 U	**0.46**	0.268 U							
1,3-Butadiene	6.3	**0.195**	**2.35**	0.151							
Carbon disulfide	2,200	**0.448**	**0.736**	**0.262**							
Carbon tetrachloride	47	**0.523**	**0.497**	**0.491**							
Chlorobenzene	160	0.326 U	**0.748**	0.331 U							
Chloroethane	31,000	0.183 U	**0.268**	0.186 U							
Chloromethane	280	**3.53**	**13.8**	**2.09**							
Cyclohexane	3,100	0.241 U	**0.319**	0.244 U							
1,4-Dioxane	56	0.251 U	**0.584**	0.254 U							
Ethanol	Not Listed	**2.62**	**3.26**	**1.21**							
Ethyl acetate	220	**0.719**	0.251 U	0.253 U							
Ethylbenzene	110	**1.33**	**8.00**	0.298 U							
4-Ethyltoluene	Not Listed	0.341 U	0.342 U	0.346 U							
Freon 11 (CCl_3F_3)	Not Listed	**1.42**	**1.41**	**1.39**							
Freon 12 (CCl_2F_2)	Not Listed	**2.44**	**2.43**	**2.37**							
Freon 113 ($C_2Cl_3F_3$)	Not Listed	**0.591**	**0.613**	**0.584**							
Heptane	1,300	**0.478**	**1.51**	0.288 U							
Hexane	2,200	**0.849**	**1.71**	**0.28**							
Isopropyl alcohol	630	**0.432**	**0.41**	**0.305**							
Isopropylbenzene	Not Listed	**0.466**	**1.92**	**0.355**							
Methyl ethyl ketone (2-Butanone)	16,000	**0.657**	**0.338**	**0.42**							
Methyl isobutyl ketone	9,400	0.286 U	0.292 U	0.295 U							
Methyl methacrylate	2,200	0.292 U	**1.4**	0.297 U							
Methyl tert-butyl ether	1,100	0.254 U	**0.355**	0.258 U							
Methylene chloride	1,900	**0.625**	**0.66**	**0.551**							
Naphthalene	8.3	0.373 U	**1.02**	0.379 U							
n-Octane	Not Listed	0.322 U	**0.957**	0.327 U							
n-Propylbenzene	3,100	0.344 U	**0.453**	0.349 U							
Propylene	9,400	**2.98**	**21.5**	**0.633**							
Styrene	3,100	**0.842**	**21.2**	0.29 U							
Tetrachloroethene	1,100	0.471 U	0.473 U	0.478 U							
Tetrahydrofuran	6,300	**0.222**	**1.32**	0.208 U							
Toluene	16,000	**2.26**	**11.8**	**0.657**							
1,2,4-Trimethylbenzene	190	0.336 U	**0.534**	0.341 U							
1,3,5-Trimethylbenzene	190	0.339 U	**0.535**	0.344 U							
2,2,4-Trimethylpentane	Not Listed	**0.332 J**	0.331 U	0.334 U							
m-/p-Xylenes	310	**0.673**	**2.07**	0.307 U							
o-Xylene	310	**0.284**	**0.98**	0.303 U							
Semivolatile Organic Compounds (µg/m³)		-	-	-		-	-	-		-	-
Semivolatile Organic Compounds		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J	The identification of the analyte is acceptable; the reported value is an estimate
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ+3.0)
U	The analyte was not detected at or above the reporting limit
UJ	The analyte was
BOLD	Bolded values
BOLD	Shaded and **bolded** values exceed the April 2019 Residential RMLs

TETRA TECH

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 8:05:33 PM
To: Snyder, John <John.Snyder@tetratech.com>
Subject: FW: IAP documents
Attachments: ICS 230 Able Contracting Fire aug28-sept5 Meeting Schedule.docx (19.18 KB), 202204 aug28-sept5 sept.docx (26.12 KB), Able Contracting Fire ICS 205A Communications Plan (21AUG19-24AUG19 Ops Period).xls (38 KB), EVACUTION ROUTE.docx (1.38 MB), hospital map.docx (436.53 KB), ICS 204 - Able Contracting, DHEC Surface Water Monitoring Team.pdf (74.65 KB), ICS 207 828-sept5.pptx (64.56 KB)

When possible can you print these docs out? Thanks

From: Patel, Subash <Patel.Subash@epa.gov>
Sent: Tuesday, August 27, 2019 3:32 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: IAP documents

Steve –

Attached are the IAP documents for next operational period except ICS 208 (safety).

-Subash

Subash C. Patel, MPH
On-Scene Coordiantor
US EPA R4 - Atlanta
404-229-9495

1. Incident Name Able Contracting Fire	2. Operational Period (Date/Time) 0700 28AUG19 to 0700 05SEPT19	ICS 230-EPA Daily Meeting Schedule

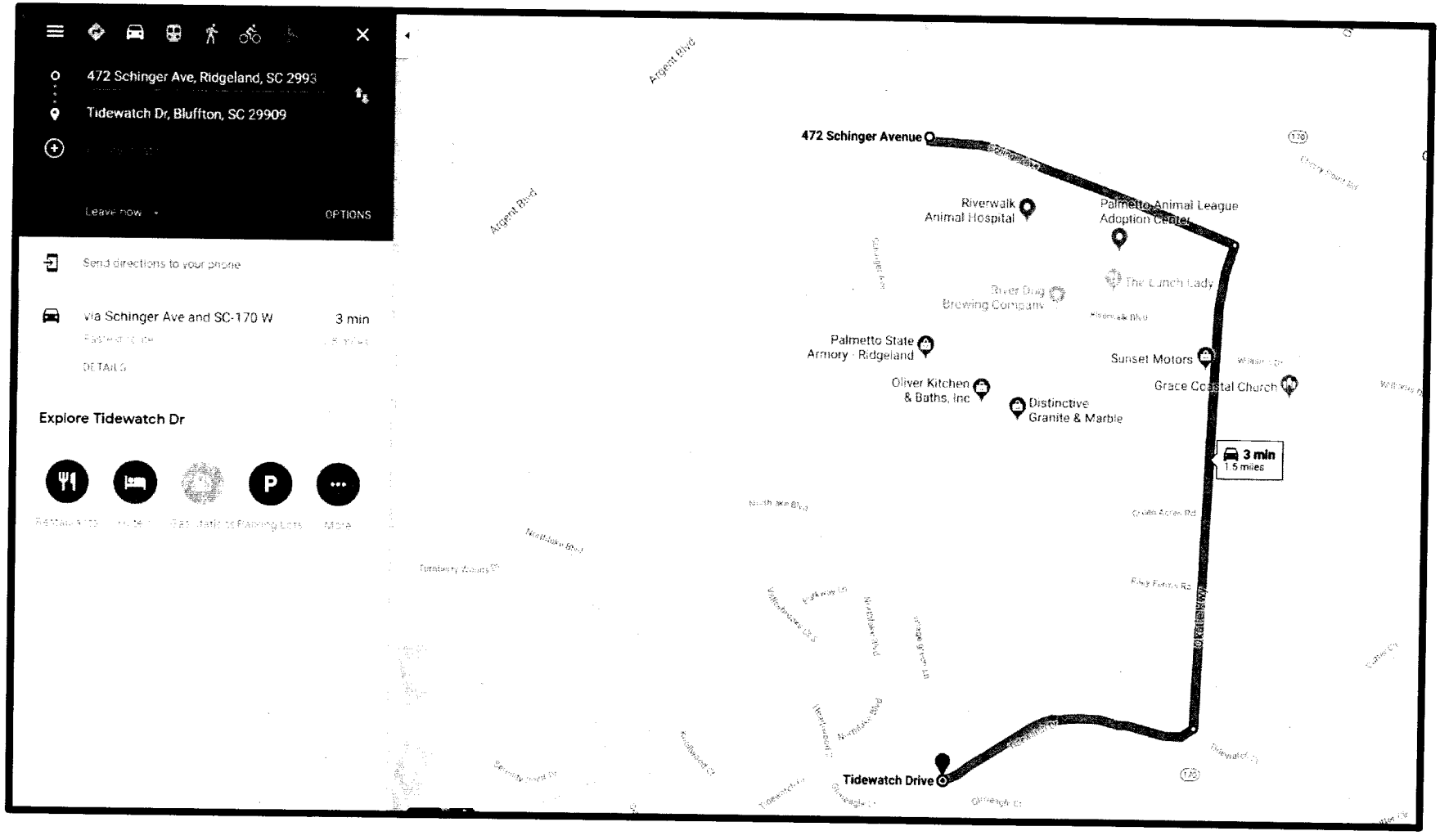
3. Meeting Schedule (Commonly-held meetings are included)

Date/Time	Meeting Name	Purpose	Attendees	Location
0700 August 28	Operations Briefing	Present Objectives, Situation, Weather, Work Assignments, Safety Briefing	IC,OPS, Group Supervisors	EPA Command Post
0900 Weekdays	IC/REOC Update Call	Give Situational Update and coordinate resource requests	IC/PSC/R4 REOC	IMT and REOC: "Rick Line"
1000 September 4	Objectives Meeting	Present Objectives, Situation, Weather, Work Assignments, Safety Briefing	IC, OPS, Group Supervisors	EPA Command Post
1400 September 4	Tactics Meeting	Fill out OPS Worksheets 215, 215A (Safety) and 204	OPS/PSC/SO	EPA Briefing Room
1600 September 4	Planning Meeting	Situation Update, Tactics meeting brief out, changes in work assignments	IC/OPS/PSC/Group Supervisors	EPA Briefing Room

	A	B	C	D	E
1	**1. Incident Name**		**2. Operational Period**	**(Date/Time)**	**INCIDENT COMMUNICATIONS PLAN ICS-205A**
2	Able Contracting Fire		From: 08/28/2019	0700	
3			To: 09/05/2019	0700	
4	**Communications Contact List**				
5	**Name**	**Position**	**Phone Number (Cell)**	**Agency / Affiliation**	**Email Address**
6	Terry Tanner	IC	678-427-8829	USEPA	tanner.terry@epa.gov
7	Steve Spurlin	IC	731-394-8996	USEPA	spurlin.steve@epa.gov
8	Bret Tindol	Safety Officer	251-234-1826	USCG	
9	Eddie Gallegos	Assistant Safety Officer	251-285-8026	USCG	
10	Derrick Weatherly	Assistant Safety Officer	209-652-3480	USCG	
11	Charles Smith	Assistant Safety Officer	251-487-6681	USCG	
12	Ron Tolliver	Information Officer	404-852-9751	USEPA	tolliver.ronald@epa.gov
13	Angela Miller	Liaison Officer	678-575-8132	USEPA	miller.angela@epa.gov
14	Chris Russell	Operations Section Chief	850-274-1575	USEPA	russell.chris@epa.gov
15	Terrence Byrd	Operations Section Chief			
16	Rick Holllingsworth	Fire Mitigation Group	859-333-3644	ERRS	cmcrickh@aol.com
17	Courtney Swanson	Deputy Operations Section Chief	470-728-8238	USEPA	swanson.courtney@epa.gov
18	Paul Prys	Air Monitoring Team Leader	404-849-7136	START	paul.prys@tetratech.com
19	Chris Jones	Air Monitoring Team	404-395-5220	START	chris.jones@tetratech.com
20	Laura Lawrence	Air Monitoring Team (Night Ops)	678-910-7933	START	laura.lawrence@tetratech.com
21	John Snyder	Air Monitoring Team	770-402-9013	START	john.snyder@tetratech.com
22	David Reed	Air Monitoring Team	803-238-5485	START	david.reed@tetratech.com
23	Rick Jardine	Planning Section Chief	404-915-5868	USEPA	jardine.richard@epa.gov
24	John Kinsey	Fire Safety team Leader	843-991-0376	Envirosmart	john.kinsey@envirosmart.us
25	Bryan Snow	Enviro/Equip Ops Team	843-609-6681	Envirosmart	bryan@envirosmart.us
26	**SCDHEC**				
27	Derrick Stanley	IC	803-917-8338	SCDHEC	
28	Keith Frost	DHEC Air Monitring Team	803-465-1529	SCDHEC	frostrk@dhec.sc.gov
29	Paul Lee	DHEC	803-429-7624	SCDHEC	
30	Jesse McWilliams	DHEC	803-429-7627	SCDHEC	
31	David Ziegler	DHEC	803-240-1818	SCDHEC	
32	Dana Cook	DHEC	803-960-0574	SCDHEC	
33	Henry Porter	DHEC	803-360-6423	SCDHEC	porterhj@dhec.sc.gov
34	**Jasper County**				
35	Shannon Smith	Jasper County			
36	Russell Wells	Jasper County Emergency Services	843-263-1316	EMA	rwells@jaspercountysc.gov
37	On Call Batallion Chief	Jasper County Fire Deparment	843-305-0265	FD	
38	Lee Gramling	Santee Cooper, Line Spotter	843-312-2126	Santee Cooper	Lsgramli@santeecooper.com
39	Frank Edwards	Fire Chief	843-929-9054	Jasper County	fedwards@jaspercountysc.gov
40	Sun City Security	Residential Community	803-705-4083	Jasper County	
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	**Prepared By:**				**(Date/Time)**
51	Name, Position:	Subash Patel, Planning		Signature:	
52	**INCIDENT COMMUNICATIONS PLAN**				**ICS-205A**

Map to Tidewatch Emergency Department (Hospital ER Visits)

349 Tidewatch Dr., West
Bluffton, SC 29909



Able Contracting Fire
ICS 207

Operational Period:
Aug. 28 0700 – Sept 5 0700
Date: Aug 27, 2019

Incident Commanders
Steve Spurlin, EPA
Henry Porter, SCDHEC
Shannon Smith, Jasper County

Safety Officer
Bret Tindol, USCG

Assistant Safety Officers
Eddie Gallegos, USCG
Charles Smith, USCG
Derrick Weatherly, USCG

Public Information Officer
Ron Tolliver, EPA

Liaison Officer
Angela Miller, EPA

Agency Representatives
Regan Rahn, SCDHEC

Operations Section Chief
Terrence Byrd, EPA

Deputy Operations Section Chief
Courtney Swanson, EPA

[redacted]

Fire Mitigation Group
Rick Hollingsworth, ERRS

Air Monitoring Group
Chris Jones, START

Water Sampling Group
Carol Cooks, SCDHEC

Air Monitoring Group
Keith Frost, SCDHEC

1. Incident Name	2. Operational Period	ICS 202-EPA
Able Contracting Fire	0700 28AUG19 to 0700 05SEPT19	**INCIDENT OBJECTIVES**

3. Incident Objectives:

1) Ensure health and safety of responders on-site.
2) Continue fire mitigation operations concentrating on required areas that will reduce the risk of reignition.
3) Maintain air quality monitoring.
4) Continue to mitigate offsite impacts due to firefighting operations to the extent practicable.
5) Develop sampling plan and data quality objectives for residential re-occupancy.
6) Establish demobilization plan.

4. Operational Period Command Emphasis:

-For truck traffic operations, continue messaging drivers about speed limitations, bed covers, and traffic safety.
-Maintain communication with response partners on activities, expectations and progress.
-Continue outreach to the surrounding community including government officials, residents and businesses.
-Release data summary reports and public story map.

Safety Message:
-Heat stress awareness.
-Follow power lines directions from the Santee Cooper spotter.
-Ensure effective communications with truck drivers and equipment operators during loading/moving operations.
-Plan for more than one option. Communicate with drivers and operators prior to approaching trucks or machinery. Know your action levels prior to beginning any operation that has a potential for an unsafe atmosphere. Notify safety officer when alarm level exceeded.
-Be mindful when driving on Schinger Ave. Speed limit is 20 mph. Watch for children.

WEATHER REPORT:
Wednesday: High 88F and 10% rain. Wind NNW 6mph
Thursday: High 85F and 0% rain. Wind NNE 8 mph
Friday: High 88F and 10% rain. Wind NE 4 mph
Saturday: High 90F and 10% rain. Wind ENE 7 mph
Sunday: High 84F and 20% rain. Wind ENE 8 mph
Monday: High 84F and 30% rain. Wind ENE 8 mph
Tuesday: High 81F and 40% rain. Wind ENE 7 mph
Wednesday: High 82F and 40% rain. Wind E 6 mph

5. Prepared by: (Planning Section Chief)	Date / Time
Subash Patel	
6. Approved by: (Incident Commander)	Date / Time
Steve Spurlin	

ICS 204-EPA DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group Environmental Monitoring and Sampling Group

3. Incident Name	4. Operational Period
Able Contracting Fire	0700 28AUG19 to 0700 05SEPT19

5. Operations Personnel

Operations Chief	Terrence Byrd	Deputy Operations Chief	Courtney Swanson

6. Resources Assigned

Strike Team/Task Force/ Resource Designator	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	204a Attached
Strike Team Leader	John Snyder	770-402-9013	3		
Air Monitoring Equipment Manager	Mark McClendon	678-241-0857	1		
SCDHEC Air Monitoring	Keith Frost	803-465-1529			

7. Work Assignments

-Continue air monitoring.
-Conduct air monitoring at the Okatie Elementary School.
-Conduct air sampling and send out for laboratory analysis as warranted.
-Coordinate with Unified Command on the placement of air monitors.
-Produce air monitoring summary data sheets.
-Provide air monitoring data/results to IC/PIO/CIC.

8. Special Instructions

-Report alarm events to the Safety Officer and OPS immediately. Follow Site specific air monitoring plans.
-Download data at 0900 and provide data summary report to Air Monitoring and Sampling Group Supervisor.

9. Communications (radio and/or phone contact numbers needed for this assignment)

For Medical Emergencies mutual aid radio is located in the EPA MCP (CH8 Z4, **call sign EPA1**)
On-Call Battalion Chief for Jasper County Fire Department: 843-305-0265.

Hospital Location:
Tidewatch Emergency Department
349 Tidewatch Drive, West
Bluffton, SC 29990
843-757-8433

Prepared by (Resource Unit Ldr.) Subash Patel	Approved by (Planning Sect. Ch.) Subash Patel	Date	Time

ICS 204-EPA DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group Fire Mitigation Group

3. Incident Name	4. Operational Period
Able Contracting Fire	0700 28AUG19 to 0700 05SEPT19

5. Operations Personnel

Operations Chief	Terrence Byrd	Deputy Operations Chief	Courtney Swanson

6. Resources Assigned

Strike Team/Task Force/ Resource Designator	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	204a Attached
Fire Mitigation Group	Rick Hollingsworth	859-333-3644	11		

7. Work Assignments

-Excavate and extinguish hot spots as they occur throughout debris pile.

-Strategically relocate and transport material around the debris pile and offsite as necessary in order to reduce the likelihood of reignition.

8. Special Instructions

-Be aware of overhead power lines. Maintain spotters while using equipment.

-Reduce waste disposal to the extent practicable. Segregate non-C&D waste items. Document disposal amounts for reporting in SITREP.

-Ensure air monitoring equipment is inside equipment cab for activities closest to fire or smoke.

9. Communications (radio and/or phone contact numbers needed for this assignment)

-For Medical Emergencies mutual aid radio is located in the EPA MCP (CH8 Z4, **call sign EPA2**)

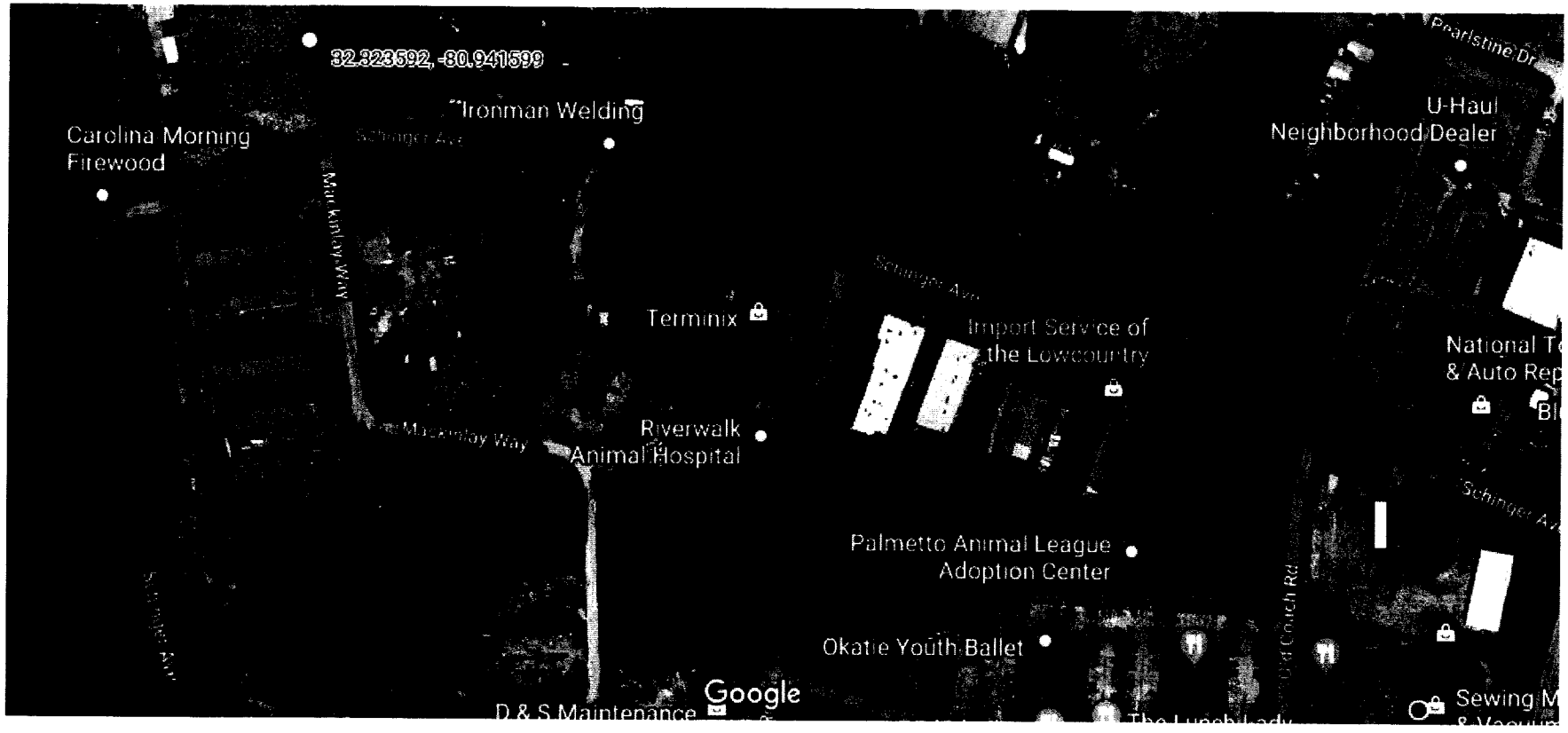
-Maintain onsite radio inside equipment cab during operations.

-On-Call Battalion Chief for Jasper County Fire Department: 843-305-0265.

Hospital Location:
Tidewatch Emergency Department
349 Tidewatch Drive, West
Bluffton, SC 29990
843-757-8433

Prepared by (Resource Unit Ldr.) Subash Patel	Approved by (Planning Sect. Ch.) Subash Patel	Date	Time

EVACUTION ROUTE



1. Incident Name:	2. Operational Period: (Date / Time)	ASSIGNMENT LIST ICS 204 - EPA
Able Contracting Fire	From: 08/28/2019 0700 To: 09/05/2019 0700	
3. Branch:	4. Division/Group/Staging:	

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	Terrence Byrd	EPA	
Branch Director:			
Division/Group Supervisor/STAM:			

6. Resources Assigned: **"X" indicates 204a attachment with additional instructions**

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
DHEC Surface Water Sampling Team	Carol Crooks	803-315-0035	4		☐
					☐
					☐
					☐
					☐
					☐

7. Work Assignments:

Collect Surface water and sediment samples.

Transport samples to Shealy Analytical.

Summarize surface water/sediment monitoring data.

Provide sampling data/results to IC, PIO, CIO.

8. Special Instructions:

Check in with Site Health and Safety Officer upon arrival.

Be aware of heavy equipment/truck movement in vicinity of sampling locations.

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager

Emergency Communications: Medical Emergency - Mutual Aid Radio in EPA Mobile Command Post (CH8 Z4, call sign EPA2)

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Thursday, August 29, 2019 1:53:13 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>; Miller, Angela <Miller.Angela@epa.gov>
Subject: FW: revised writeup
Attachments: Able Contracting Fire ER Summary of Activities.docx (700.24 KB)

Here's a draft write-up that may help provide some info for any update. I was mostly focusing on section dealing with monitoring to show extent of effort to protect community.

Also, we've loaded out approx.. 5000 tons of debris. I don't know if this is a metric we want to include externally as it may be perceived as part of EPA's major role is shipping material off-site. Ie. "hey, EPAs shipped 5000, and they only have 60,000 more to go..."

From: Snyder, John <John.Snyder@tetratech.com>
Sent: Thursday, August 29, 2019 8:45 AM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: revised writeup

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | **Tetra Tech** EMI
Raleigh, NC (Cary) | tetratech.com

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TETRA TECH

SUMMARY OF EMERGENCY RESPONSE ACTIVITIES, REVISION 0

ABLE CONTRACTING FIRE EMERGENCY RESPONSE
RIDGELAND, JASPER COUNTY, SOUTH CAROLINA

Prepared for

U.S. Environmental Protection Agency
Emergency Response, Removal, and Prevention Branch
Region 4

Submitted by

Tetra Tech, Inc.
Superfund Technical Assessment and Response Team Region 4
1955 Evergreen Blvd., Building 200, Suite 300
Duluth, GA 30096

EPA Contract No. EP-S4-14-03
TDD: TT-01-128

September 24, 2019

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1.0 SITE BACKGROUND 1
2.0 INITIAL RESPONSE ACTIONS 1
3.0 CURRENT OPERATIONAL PICTURE 2

Attachments:

A Figures

1.0 SITE BACKGROUND

The Able Contracting facility is located on Schinger Avenue in Ridgeland, South Carolina. The facility received construction and demolition debris which was shredded as recyclable materials were removed. The Site contains approximately 4 acres of stockpiled material.

The current fire of the stockpiled material began in early July 2019. Able Contracting and local fire departments have worked to extinguish the fire. On July 23, a large water supply pump used by the facility for firefighting was damaged by lightning. Smoke from the smoldering fire increased over the next several days.

2.0 INITIAL RESPONSE ACTIONS

EPA was requested by South Carolina Department Health and Environmental Control (SC DHEC) to conduct air monitoring and sampling to determine if any hazardous substances were being discharged from the smoldering fire. EPA and Superfund Technical Assessment and Response Team (START) contractor Tetra Tech deployed to the Site on July 25.

During the initial response activities, Tetra Tech conducted water quality monitoring and collected surface water samples from ditches, and an upgradient pond; and a groundwater sample from an on-site well. All aqueous samples were analyzed for volatile organic compounds (VOCs) by EPA SW-846 Method 8260B, semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270D, and target compound list (TAL) metals by EPA SW-846 Methods 6010D and 7470A. No contaminants were detected in the groundwater sample at levels that exceeded EPA Maximum Contaminant Levels (MCLs). Metals were detected in both surface water samples at levels exceeding EPA and/or SCDHEC surface water screening values.

Tetra Tech also collected multiple rounds of ambient air samples over a 48-hour period during the initial July 25th-July 29th mobilization. Samples were analyzed for volatile organic compounds (VOCs) by EPA TO-15, semi-volatile organic compounds (SVOCs) by EPA SW-846 Method 8270D, formaldehyde by EPA Method TO-11A, phosgene by OSHA Method 61, metals by IO-3.1, 3.4, and 3.5, and asbestos by transmission electron microscopy. Laboratory analysis of the samples detected acrolein at levels exceeding the EPA Removal Management Level (RML) in all samples, including the background sample.

During the initial July 25th – July 29th mobilization, EPA emplaced four AreaRAEs electrochemical detectors (monitoring for VOCs, carbon monoxide [CO], hydrogen sulfide [H_2S], oxygen [O_2] and lower explosive limit [LEL]) and three DustTraks monitoring for particulates ($PM_{2.5}$) around the Site.

EPA and Tetra Tech returned to the site on August 2nd and 3rd to conduct additional air sampling to confirm the presence of hazardous substances measured in the previous round of sampling and to monitor for phosgene with a Single Point Monitor (SPM) Flex. Air samples were analyzed for VOCs and phosgene. Again, acrolein was detected at all sample locations at levels exceeding the EPA RML of 0.063 micrograms per cubic meter ($\mu g/m^3$). Based on these results, the response was elevated [redacted]

On August 9th, EPA and Tetra Tech remobilized to the Site and began 24-hour air monitoring with AreaRAEs, DustTraks, and beta attenuation monitors (EBAMs). SCDHEC mobilized a response contractor who began water application on August 11th and aggressive firefighting operations with heavy equipment on August 12th. EPA assumed the lead for relocation of residents and firefighting operations on August 16th.

3.0 CURRENT OPERATIONAL PICTURE

EPA's Emergency and Rapid Response Services (ERRS) contractor, CMC Environmental Services, Inc. (CMC), mobilized personnel and equipment to the Site and assumed the role of lead contractor for extinguishing the fire. Current operations involve excavating the pile, applying water to burning material, relocating unimpacted pile material on site, and transporting impacted/extinguished material to a local landfill. Efforts are being made to minimize the amount of water applied to the fire and capture as much runoff as practicable. Runoff that is captured in perimeter ditches is pumped into on-site fractionation tanks and then discharged to a local sanitary sewer, as approved by the local sewer authority. Tetra Tech monitors the runoff that is discharged to the sewer for pH and dissolved oxygen on a daily basis, as requested by the local sewer authority. Runoff that is not recovered passes by an air sparge unit to increase downstream dissolved oxygen levels.

Current metrics related to firefighting [redacted], include:

[redacted]

Since SCDHEC and EPA firefighting operations began, EPA has been maintaining a broad network of air monitoring equipment on Site and in the surrounding neighborhoods. Four AreaRAEs, three DustTraks, and three EBAMs have been operating 24 hours a day in all weather conditions. This network generates tens of thousands of data points each day which provide responders with the real-time data necessary to make informed decisions based on current conditions. The four AreaRAEs are currently emplaced on-site

or in close proximity to the Site to monitor for VOCs, CO, H_2S, O_2, LEL, and hydrogen cyanide (HCN). The DustTraks and EBAMs have been emplaced in the surrounding neighborhoods (residential areas, businesses, churches, etc.) to monitor particulate material in the air. Data summaries for the monitors are prepared on a daily or semi-daily basis and released to the public via response.epa.gov/ablefire.

During the week of August 19th, EPA conducted two rounds of ambient air sampling around the fire. Sampling was conducted in accordance with the *Air Monitoring and Sampling Plan, Revision 0: Able Contracting Fire ER* submitted by Tetra Tech to EPA on August 22nd. Each round of sampling consisted of 24-hour air samples at two predefined locations (Forrest Concrete and the residence at 352 Schinger Ave.) and two upwind locations. Samples were collected in 6-liter Summa canisters and analyzed for VOCs by EPA Method TO-15, H2S by Modified EPA Method 16, and HCN by Modified EPA Method 320. Additionally, during the second round or sampling, two 8-hour samples were also collected from within the cabs of response excavators. These samples were analyzed for the same analytical suite as the fixed locations. [redacted]

EPA intends to conduct an additional round of neighborhood ambient air sampling to confirm that conditions are safe to allow local residents to reoccupy their homes. Sampling will follow the same protocols outlined in the abovementioned *Air Monitoring and Sampling Plan*, with 24-hour samples collected at Forrest Concrete, the residence at 352 Schinger Ave., [redacted].

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 4:56:03 PM
To: Andrews, David <Andrews.David@epa.gov>
Subject: FW: revised writeup
Attachments: Able Contracting Fire ER Summary of Activities.docx (700.24 KB)

Dave, you can use some of this info as far as updating operations from sampling side. We've loaded out approx.. 5500 tons of debris.

From: Snyder, John <John.Snyder@tetratech.com>
Sent: Thursday, August 29, 2019 8:45 AM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: revised writeup

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | **Tetra Tech** EMI
Raleigh, NC (Cary) | tetratech.com

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Please consider the environment before printing. Read more

TETRA TECH

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 2:10:58 PM
To: mcwilljk@dhec.sc.gov
Subject: FW: Thursday sampling event near ABEL Contracting Site
Attachments: Able Private Well Map (8-29-19 sampling).png (3.71 MB)

Here's what DHEC provided. I attempted to match these addresses to our relocated residents list, which I will forward, and couldn't match all residents to well. So either they are not on well, or maybe their well was missed. So that's what I'm trying to verify. Thanks

From: Hornosky, Minda <hornosms@dhec.sc.gov>
Sent: Wednesday, August 28, 2019 11:08 AM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Cc: Stewart, R. Gary <stewarrg@dhec.sc.gov>
Subject: Fw: Thursday sampling event near ABEL Contracting Site

private well sampling locations as requested

Minda Hornosky, Hydrogeologist

Project Manager

State Remediation Section

Bureau of Land and Waste Management

S.C. Dept. of Health & Environmental Control

Office: (803) 898-2459
Fax: (803) 898-1297
Connect: www.scdhec.gov Facebook Twitter

From: Stewart, R. Gary <stewarrg@dhec.sc.gov>
Sent: Wednesday, August 28, 2019 11:35 AM
To: Hornosky, Minda <hornosms@dhec.sc.gov>

Argent Blvd
Well 6
Well 1
Well 2
Well 3
Well 4
Well 5
Schinger Ave
Meadowlark Way
Browns Cove Rd
Paradise Dr

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 6:19:53 PM
To: Tanner, Terry <Tanner.Terry@epa.gov>
Subject: FW: Thursday sampling event near ABEL Contracting Site

Forwarding DHEC well water sampling contact for your future reference. Per Franklin, keep them relocated until data is back.

I strongly advise that you increase road safety measures and then bring them back versus leaving them out throughout loadout. Otherwise, this may also be setting up DHEC to relocate during their loadout...whenever that occurs.

From: Marcus, Mike <MARCUSJM@dhec.sc.gov>
Sent: Friday, August 30, 2019 10:39 AM
To: McWilliams, Jesse <mcwilljk@dhec.sc.gov>
Cc: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Re: Thursday sampling event near ABEL Contracting Site

Steve,

All of the private drinking water wells that have been identified as being associated w/ the Able site re: immediate proximity have been identified and sampled (yesterday, Thursday). Results are anticipated to be rec'd 1 week from now. We will pass along to EPA as soon as they are rec'd.

Mike

Sent from my iPhone

On Aug 30, 2019, at 10:22 AM, McWilliams, Jesse <mcwilljk@dhec.sc.gov> wrote:

> Mike Marcus (803-898-4210) is the point of contact that I have listed for water issues.
>
> Mike, are we able to verify that there are no wells within the defined area for which sampling as not yet been conducted?
>
> Jesse McWilliams
> SC DHEC BEHS DER ERS
>
> Connect: mcwilljk@dhec.sc.gov / 803-429-7627

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 8:33:59 PM
To: Adams, Glenn <Adams.Glenn@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>
Subject: Fwd: Able Contracting Site Prelim Report for Lot UH21084
Attachments: UH21084.pdf (4.07 MB), ATT00001.htm (236 Bytes), UH21084.xls (153.02 KB), ATT00002.htm (178 Bytes)

Don't know if you need this but FYI

Sent from my iPhone

Begin forwarded message:

From: "Stewart, R. Gary" <stewarrg@dhec.sc.gov>
To: "reecemc@dhec.sc.gov" <reecemc@dhec.sc.gov>, "Porter, Henry" <porterhj@dhec.sc.gov>, "shealyrg@dhec.sc.gov" <shealyrg@dhec.sc.gov>, "Marshall, Frances (Fran)" <marshaf2@dhec.sc.gov>, "Marcus, Mike" <MARCUSJM@dhec.sc.gov>, "Shawn Clarke" <CLARKESM@dhec.sc.gov>, "Cole, Robert" <colerb@dhec.sc.gov>, "Spurlin, Steve" <Spurlin.Steve@epa.gov>
Subject: Fw: Able Contracting Site Prelim Report for Lot UH21084

Everyone,

Please see attached **preliminary** lab results from the runoff/ditch samples collected last week.

Gary

R. Gary Stewart, P.E.

Manager

State Remediation Section
Bureau of Land and Waste Management
S.C. Dept. of Health & Environmental Control
Office: (803) 898-0778

Connect: www.scdhec.gov Facebook Twitter

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From: Jenkins, Brandi <Jenkins.Brandi@epa.gov> on behalf of Jenkins, Brandi
Sent on: Wednesday, August 28, 2019 10:48:09 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Hill, Franklin <Hill.Franklin@epa.gov>; Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>
Subject: Fwd: Able Contracting

Steve - FYSA. Congressman Cunningham's staffer reached out to EPA DC staff today. See below for overview of the conversation.

Brandi

Sent from my iPhone

Begin forwarded message:

From: "Rodrick, Christian" <rodrick.christian@epa.gov>
Date: August 28, 2019 at 6:10:11 PM EDT
To: "Ashbee, Blake" <ashbee.blake@epa.gov>, "Jenkins, Brandi" <Jenkins.Brandi@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Myers, Bryan" <Myers.Bryan@epa.gov>
Subject: FW: Able Contracting

Region 4 team,

Just got off the phone with the below Cunningham staffer… Any input we have or can provide? Do we know who from EPA is allegedly attending this event/

Thanks,

Christian Rodrick
(202) 564-4828

From: Mitchell, RaShawn [mailto:RaShawn.Mitchell@mail.house.gov]
Sent: Wednesday, August 28, 2019 6:07 PM
To: Rodrick, Christian <rodrick.christian@epa.gov>
Subject: Able Contracting

Hello Rodrick,

Thanks for taking my call this evening. Per our conversation, here's a little more background regarding the situation regarding the Able Contracting Inc facility in Jasper County: https://urldefense.proofpoint.com/v2/url?u=https-3A__www.scdhec.gov_environment_ongoing-2Dprojects-2Dupdates_able-2Dcontracting-2Dfire&d=DwMBaQ&c=L93KkjKsAC98uTvC4KvQDdTDRzAeWDDRmG6S3YXllH0&r=qBXyAuKDEQ_hLFE7du-

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 7:14:19 PM
To: John Snyder <john.snyder@tetratech.com>
Subject: Fwd: Data summary from earlier rounds of sampling
Attachments: image001.png (1.21 KB), ATT00001.htm (456 Bytes), image002.png (1.4 KB), ATT00002.htm (469 Bytes), image003.png (1.37 KB), ATT00003.htm (820 Bytes), image004.jpg (2.06 KB), ATT00004.htm (356 Bytes), Draft_Summary Tables Able Contracting_round 2 added.pdf (104.21 KB), ATT00005.htm (178 Bytes)

Sent from my iPhone

Begin forwarded message:

From: "Adams, Glenn" <Adams.Glenn@epa.gov>
Date: August 28, 2019 at 2:25:10 PM EDT
To: "Spurlin, Steve" <Spurlin.Steve@epa.gov>
Cc: "Frederick, Tim" <Frederick.Tim@epa.gov>
Subject: FW: Data summary from earlier rounds of sampling

Steve,
We are looking at the data now. On the previous 2 rounds (attached is the last one) START gave us this summary. That would help speed up our review if we can get a summary like this for the most recent data too.
Thanks,
Glenn

From: Garrard, Jordan <Garrard.Jordan@epa.gov>
Sent: Thursday, August 8, 2019 11:57 AM
To: Moore, Tony <moore.tony@epa.gov>; Chan, Sydney <chan.sydney@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>; Webster, James <Webster.James@epa.gov>; Turner, Nardina <Turner.Nardina@epa.gov>; Adams, Glenn <Adams.Glenn@epa.gov>
Subject: FW: Data summary

From: Snyder, John <John.Snyder@tetratech.com>
Sent: Thursday, August 8, 2019 11:32 AM
To: Garrard, Jordan <Garrard.Jordan@epa.gov>
Subject: Data summary

John Snyder, PG, PE | Environmental Engineer

ABLE CONTRACTING FIRE
AIR SAMPLES
Summary of Detections
DATA HAS NOT BEEN QC'd - NOT FOR PUBLIC DISTRIBUTION

	EPA RMLs	BACKGROUND ACF-AS-BKGD-072819	STATION 1 (SE Corner) ACF-AS-RES-AM-072719	STATION 2 (SW Corner) ACF-AS-SMOKE-AM-072719	STATION 1 (SE Corner) ACF-AS-RES-PM-072719	STATION 2 (SW Corner) ACF-AS-SMOKE-PM-072719	STATION 1 (SE Corner) ACF-AS-RES-AM-072819	STATION 2 (SW Corner) ACF-AS-SMOKE-AM-072819	STATION 1 (SE Corner) ACF-AS-RES-PM-072819	STATION 2 (SW Corner) ACF-AS-SMOKE-PM-072819
		Sample Volume	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*	*Sample Volume*
c)		*946.3 Liters*	*767 Liters*	*898.6 Liters*	*965.3 Liters*	*913.3 Liters*	-	-	-	-
		None detected	None detected	None detected	None detected	None detected	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
		537.10 Liters	-	-	-	-	*473.90 Liters*	*603.90 Liters*	*542.50 Liters*	*550.50 Liters*
	0.94	[illegible]	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*	[illegible]	[illegible]	[illegible]	[illegible]
g/m³)		*516.20 Liters*	*410.60 Liters*	*411.80 Liters*	*541.50 Liters*	*549.50 Liters*	-	-	-	-
	22	**4.88**	**1.70**	**2.50**	**3.04**	**6.09**	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
		776.6 Liters	*672.6 Liters*	*657.5 Liters*	*744.8 Liters*	*784.6 Liters*	-	-	-	-
	16	**0.55**	**0.77**	**0.52**	**0.5**	**0.48**				
	1.6	**0.11**	**0.13**	**0.25**	**0.13**	**0.11**				
	Not Listed	**52.7**	**0.54**	**55.1**	**48**	**41.3**				
	Not Listed	**0.73**	**0.89**	**0.9**	**1.1**	**0.75**	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
	Not Listed	**0.93**	**1.3**	**0.87**	**0.81**	**0.86**				
	Not Listed	**9.6**	**11.2**	**11.5**	**10.4**	**8.5**				
	Not Listed	**12.7**	**15.8**	**16.5**	**14.7**	**12**				
Compounds (µg/m³)		-	-	-	-	-	-	-	-	-
	97,000	**12**	**8.66**	**7.51**	**10.5**	**16.1**				
	190	**1.85**	**2.17**	**0.892**	**0.99**	**1.63**				
	0.063	[illegible]	[illegible]	[illegible]	[illegible]	**1.18**				
	4.1	0.159 U	0.159 U	0.158 U	0.163 U	0.202 U				
	36	**2.52**	**6.46**	**3.4**	**2.5**	**15.1**				
	16	0.275 U	0.276 U	0.274 U	0.282 U	0.277 U				
	6.3	**0.749**	**1.06**	**0.689**	**0.769**	**2.21**				
	2,200	**0.214**	**0.514**	**0.279**	**0.444**	**0.405**				
e	47	**0.481**	**0.482**	**0.478**	**0.496**	**0.466**				
	160	0.339 U	0.34 U	0.338 U	0.348 U	0.342 U				
	31,000	0.19 U	0.191 U	0.19 U	0.195 U	**0.276**				
	280	**1.23**	**4.76**	**2.95**	**1.23**	**11.6**				
	3,100	**0.999**	**0.262**	0.25 U	**0.803**	0.253 U				
	56	**0.321**	**0.294**	0.26 U	0.267 U	**0.374**				
	Not Listed	**16.7**	**4.28**	**2.33**	**9.26**	**2.56**				
	220	0.259 U	0.261 U	0.259 U	0.266 U	0.262 U				
	110	**2.07**	**3.36**	**1.12**	**0.768**	**5.86**				
	Not Listed	**0.913**	0.355 U	0.354 U	0.363 U	0.357 U				
	Not Listed	**1.18**	**1.38**	**1.33**	**1.4**	**1.28**				
	Not Listed	**2.33**	**2.4**	**2.38**	**2.41**	**2.36**				
	Not Listed	**0.554**	**0.66**	**0.547**	**0.605**	**0.577**				
	1,300	**2.26**	**0.769**	**0.365**	**0.891**	**1**	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*
	2,200	**4.05**	**1.55**	**0.647**	**2.37**	**1.43**				
	630	**0.404**	**0.468**	**0.434**	**0.949**	**0.478**				
	Not Listed	0.357 U	**0.838**	**0.421**	0.366 U	**1.06**				
(2-Butanone)	16,000	**1.02**	**0.847**	**0.805**	**0.612**	**1.57**				
ne	9,400	0.302 U	**0.373**	0.302 U	0.31 U	0.305 U				
	2,200	0.304 U	0.305 U	0.303 U	0.312 U	**0.857**				
er	1,100	0.264 U	0.265 U	0.264 U	**0.312**	0.267 U				
	1,900	**0.691**	**0.871**	**0.674**	**0.999**	**0.651**				
	8.3	**0.336**	0.39 U	0.388 U	0.398 U	**0.537**				
	Not Listed	**0.99**	**0.353**	0.334 U	0.343 U	**0.562**				
	3,100	**0.629**	0.359 U	0.357 U	0.367 U	0.361 U				
	9,400	**2.91**	**7.88**	**3.99**	**2.96**	**14.2**				
	3,100	**0.348**	**1.71**	**2.13**	**0.446**	**8.66**				
	1,100	0.489 U	0.491 U	0.489 U	**0.736**	0.494 U				
	6,300	0.213 U	**0.472**	**0.373**	0.218 U	**0.796**				
	16,000	**9.82**	**6.48**	**2.62**	**5.08**	**7.6**				
ne	190	**3.23**	**0.784**	**0.318**	**0.817**	**0.414**				
ne	190	**0.898**	0.354 U	0.352 U	0.362 U	0.356 U				
ne	Not Listed	**2.12**	**0.684**	0.342 U	**0.487**	0.346 U				
	310	**6.86**	**2.37**	**0.941**	**2.51**	**1.66**				
	310	**2.75**	**0.95**	**0.362**	**0.916**	**0.759**				
c Compounds (µg/m³)		*439.4 Liters*	*486.2 Liters*	*562.5 Liters*	*421.4 Liters*	*438.3 Liters*	-	-	-	-
Compounds		None detected	None detected	None detected	None detected	None detected	*Not sampled*	*Not sampled*	*Not sampled*	*Not sampled*

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J	The identification of the analyte is acceptable; the reported value is an estimate
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ=3.0)
U	The analyte was not detected at or above the reporting limit
UJ	The analyte was
BOLD	Bolded values
BOLD	Shaded and bolded values exceed the April 2019 Residential RMLs

ABLE CONTRACTING FIRE
AIR SAMPLES
Summary of Detections
DATA HAS NOT BEEN QC'd - NOT FOR PUBLIC DISTRIBUTION

Analyte	EPA RMLs	STATION 1 (SE Corner) ACF-AS-RES-24HRVOC *Sample Volume*	STATION 2 (West Side) ACF-AS-SMOKE-24HRVOC *Sample Volume*	STATION 3 (Upwind) ACF-AS-UPWIND-24HRVOC *Sample Volume*		STATION 1 (SE Corner) ACF-AS-RES-NIGHT *Sample Volume*	STATION 2 (West Side) ACF-AS-SMOKE-NIGHT *Sample Volume*	STATION 3 (Upwind) ACF-AS-UPWIND-NIGHT *Sample Volume*		STATION 1 (SE Corner) ACF-AS-RES-DAY *Sample Volume*	STATION 2 (West Side) ACF-AS-SMOKE-DAY *Sample Volume*
Asbestos (fibers/cc)		-	-	-		-	-	-		-	-
Asbestos		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Phosgene (µg/m³)						*623.80 Liters*	*556.80 Liters*	*520.80 Liters*		*535.20 Liters*	*542.40 Liters*
Phosgene	0.94	*Not sampled*	*Not sampled*	*Not sampled*		**0.652 J**	**1.02 J**	**0.501 J**		0.277 J	**1.22 J**
Formaldehyde (µg/m³)		-	-	-		-	-	-		-	-
Formaldehyde	22	*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Metals (µg/m³)		-	-	-		-	-	-		-	-
Aluminum	16	*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Barium	1.6										
Calcium	Not Listed										
Chromium	Not Listed										
Iron	Not Listed										
Magnesium	Not Listed										
Sodium	Not Listed										
Volatile Organic Compounds (µg/m³)		-	-	-		-	-	-		-	-
Acetone	97,000	**6.87**	**14.7**	**5.46**		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*
Acetonitrile	190	**1.17**	**3.64**	**0.893**							
Acrolein	0.063	**0.397**	**2.05**	**0.272**							
Acrylonitrile	4.1	1.53 U	**0.946**	0.155 U							
Benzene	36	**2.00**	**26.2**	0.223 U							
Bromomethane	16	0.26 U	**0.46**	0.268 U							
1,3-Butadiene	6.3	**0.195**	**2.35**	0.151							
Carbon disulfide	2,200	**0.448**	**0.736**	**0.262**							
Carbon tetrachloride	47	**0.523**	**0.497**	**0.491**							
Chlorobenzene	160	0.326 U	**0.748**	0.331 U							
Chloroethane	31,000	0.183 U	**0.268**	0.186 U							
Chloromethane	280	**3.53**	**13.8**	**2.09**							
Cyclohexane	3,100	0.241 U	**0.319**	0.244 U							
1,4-Dioxane	56	0.251 U	**0.584**	0.254 U							
Ethanol	Not Listed	**2.62**	**3.26**	**1.21**							
Ethyl acetate	220	**0.719**	0.251 U	0.253 U							
Ethylbenzene	110	**1.33**	**8.00**	0.298 U							
4-Ethyltoluene	Not Listed	0.341 U	0.342 U	0.346 U							
Freon 11 (CCl_3F_3)	Not Listed	**1.42**	**1.41**	**1.39**							
Freon 12 (CCl_2F_2)	Not Listed	**2.44**	**2.43**	**2.37**							
Freon 113 ($C_2Cl_3F_3$)	Not Listed	**0.591**	**0.613**	**0.584**							
Heptane	1,300	**0.478**	**1.51**	0.288 U							
Hexane	2,200	**0.849**	**1.71**	**0.28**							
Isopropyl alcohol	630	**0.432**	**0.41**	**0.305**							
Isopropylbenzene	Not Listed	**0.466**	**1.92**	**0.355**							
Methyl ethyl ketone (2-Butanone)	16,000	**0.657**	**0.338**	**0.42**							
Methyl isobutyl ketone	9,400	0.286 U	0.292 U	0.295 U							
Methyl methacrylate	2,200	0.292 U	**1.4**	0.297 U							
Methyl tert-butyl ether	1,100	0.254 U	**0.355**	0.258 U							
Methylene chloride	1,900	**0.625**	**0.66**	**0.551**							
Naphthalene	8.3	0.373 U	**1.02**	0.379 U							
n-Octane	Not Listed	0.322 U	**0.957**	0.327 U							
n-Propylbenzene	3,100	0.344 U	**0.453**	0.349 U							
Propylene	9,400	**2.98**	**21.5**	**0.633**							
Styrene	3,100	**0.842**	**21.2**	0.29 U							
Tetrachloroethene	1,100	0.471 U	0.473 U	0.478 U							
Tetrahydrofuran	6,300	**0.222**	**1.32**	0.208 U							
Toluene	16,000	**2.26**	**11.8**	**0.657**							
1,2,4-Trimethylbenzene	190	0.336 U	**0.534**	0.341 U							
1,3,5-Trimethylbenzene	190	0.339 U	**0.535**	0.344 U							
2,2,4-Trimethylpentane	Not Listed	**0.332 J**	0.331 U	0.334 U							
m-/p-Xylenes	310	**0.673**	**2.07**	0.307 U							
o-Xylene	310	**0.284**	**0.98**	0.303 U							
Semivolatile Organic Compounds (µg/m³)		-	-	-		-	-	-		-	-
Semivolatile Organic Compounds		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*	*Not sampled*		*Not sampled*	*Not sampled*

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J	The identification of the analyte is acceptable; the reported value is an estimate
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ=3.0)
U	The analyte was not detected at or above the reporting limit
UJ	The analyte was
BOLD	Bolded values
BOLD	Shaded and bolded values exceed the April 2019 Residential RMLs

TETRA TECH

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 5:33:35 PM
To: Adams, Glenn <Adams.Glenn@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>
Subject: Fwd: Prelim results
Attachments: 0819-068.pdf (1.4 MB), ATT00001.htm (247 Bytes), 0819-068unsigned.pdf (816.03 KB), ATT00002.htm (247 Bytes), 0819-068 TO15 Ambient EDD (SF3Dig).xlsx (8.38 MB), ATT00003.htm (189 Bytes)

Here are prelims for summa locations I sent yesterday. HCN will be available tomorrow. I'm requesting a review and input on need for and recommendation for additional samples/locations as it relates to potential reoccupation by residents. We have current capability to run 4, 24-hr samples. Of course we can order in additional sample supplies. Thanks

We have the ability

Sent from my iPhone

Begin forwarded message:

From: "Snyder, John" <John.Snyder@tetratech.com>
To: "Spurlin, Steve" <Spurlin.Steve@epa.gov>
Cc: "chris.jones@tetratech.com" <chris.jones@tetratech.com>, "Jessica Vickers" <Jessica.Vickers@tetratech.com>
Subject: Prelim results

Prelim results are in for VOCs and H2S for the first round of sampling last week. H2S is non-detect in all four samples at around 0.22 mg/m3. Acrolein was detected in all four samples between 0.432 and 0.666 ug/m3. The RML for acrolein is 0.063 ug/m3.

The lab anticipates HCN results tomorrow.

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | **Tetra Tech** EMI
Raleigh, NC (Cary) | tetratech.com

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cid:image003.png@01D45292.480AD7C0 Please consider the environment before printing. Read more
cid:image004.jpg@01D45292.480AD7C0

Tetra Tech, Inc.

3746 Mt. Diablo Blvd. Suite 300
Lafayette, CA 94549

Able Fire

Ridgeland, SC
Client Project # TT-D1-128

Analytical Report
(0819-068A)

EPA Method TO-15

TO-15 Compound List

EPA Method 16

Hydrogen sulfide

ENTHALPY ANALYTICAL

Enthalpy Analytical, LLC

Phone: (919) 850 - 4392 / Fax: (919) 850 - 9012 / www.enthalpy.com
800-1 Capitola Drive Durham, NC 27713-4385

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 98 pages.

Michael Steven Schapira

QA Review Performed by: Michael Steven Schapira

Report Issued: 8/28/19

ENTHALPY

Summary of Results

ENTHALPY

Enthalpy Analytical

Company: Tetra Tech, Inc.
Job No.: 0819-068 - EPA Method 16 (Canisters)
Client No.: TT-D1-128

Summary Table - Hydrogen sulfide

Sample ID	Concentration (ppmv)
ACF-AS-RES-2-24HR-082119 (Can #0807)	0.171 ND
ACF-AS-RES-1-24HR-082119 (Can #0811)	0.157 ND
ACF-AS-PAM1-082119 (Can #0826)	0.156 ND
ACF-AS-PAM2-082119 (Can #0762)	0.161 ND

Results

ENTHALPY

Enthalpy Analytical

Company: Tetra Tech, Inc.

Job No.: 0819-068 - EPA Method 16 (Canisters)

Client No.: TT-D1-128

Hydrogen sulfide

Sample ID (Can #)	Filename #1	Filename #2	Filename #3	MDL	Curve Min	Curve Max	Ret Time (min)	Ret Time (min)	Ret Time (min)	%dif RT	Conc. #1 (ppmv)	Conc. #2 (ppmv)	Conc. #3 (ppmv)	%dif Conc.	Avg. Conc. (ppmv)	DF * Can Press.	Sample Conc. (ppmv)	Flag
ACF-AS-RES-2-24HR-082119 (Can #0807)	005B1001.D	005B1002.D	005B1003.D	0.0781	0.643	7.07	NA	NA	NA	NA	0.0781	0.0781	0.0781	0.0	0.0781	2.193	0.171	ND
ACF-AS-RES-1-24HR-082119 (Can #0811)	005B1201.D	005B1202.D	005B1203.D	0.0781	0.643	7.07	NA	NA	NA	NA	0.0781	0.0781	0.0781	0.0	0.0781	2.016	0.157	ND
ACF-AS-PAM1-082119 (Can #0826)	005B1101.D	005B1102.D	005B1103.D	0.0781	0.643	7.07	NA	NA	NA	NA	0.0781	0.0781	0.0781	0.0	0.0781	1.996	0.156	ND
ACF-AS-PAM2-082119 (Can #0762)	005B0901.D	005B0902.D	005B0903.D	0.0781	0.643	7.07	NA	NA	NA	NA	0.0781	0.0781	0.0781	0.0	0.0781	2.065	0.161	ND

Sample Name	: ACF-AS-RES-2-24HR-082119
Sample Info	: 0819-068; Can #0807; 500mL load
Data File	: X1903152.D
Dilution	: 1
Pressurization Factor	: 2.192
Acquisition Date	: 2019-08-25 03:46:26
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	0.672	0.0841	0.0767	1.16	0.145	0.132	m
Freon 12 (CCl2F2)	0.440	0.0856	0.0767	2.18	0.423	0.379	
Freon 114 (C2Cl2F4)	ND	0.0878	0.0767	ND	0.614	0.536	
Chloromethane	0.973	0.0855	0.0767	2.01	0.177	0.158	
Chloroethene (Vinyl chloride)	ND	0.0882	0.0767	ND	0.225	0.196	
1,3-Butadiene	ND	0.0857	0.0767	ND	0.190	0.170	
Bromomethane	ND	0.0867	0.0767	ND	0.337	0.298	
Chloroethane	ND	0.0884	0.0767	ND	0.233	0.202	
Bromoethene (Vinyl bromide)	ND	0.0874	0.0767	ND	0.382	0.336	
Freon 11 (CCl3F)	0.211	0.0910	0.0767	1.19	0.511	0.431	
Ethanol	2.81	0.219	0.0877	5.29	0.413	0.165	
Acrolein	0.214	0.0871	0.0767	0.491	0.200	0.176	
Freon 113 (C2Cl3F3)	0.0843	0.0872	0.0767	0.646	0.669	0.588	J
1,1-Dichloroethene	ND	0.0878	0.0767	ND	0.348	0.304	
Acetone	3.43	0.0881	0.0767	8.16	0.209	0.182	m
Carbon disulfide	ND	0.0880	0.0767	ND	0.274	0.239	
Isopropyl alcohol	0.411	0.0880	0.0767	1.01	0.216	0.189	
Allyl chloride (3-chloropropene)	ND	0.0882	0.0767	ND	0.276	0.240	
Acetonitrile	0.658	0.0881	0.0767	1.10	0.148	0.129	
Methylene chloride	ND	0.222	0.222	ND	0.771	0.771	
trans-1,2-Dichloroethene	ND	0.0893	0.0767	ND	0.354	0.304	
Methyl tert-butyl ether	ND	0.0898	0.0767	ND	0.324	0.277	
Acrylonitrile	ND	0.0896	0.0767	ND	0.194	0.167	
Hexane	0.194	0.0886	0.0767	0.684	0.312	0.270	
1,1-Dichloroethane	ND	0.0864	0.0767	ND	0.350	0.311	
Vinyl acetate	ND	0.0892	0.0767	ND	0.314	0.270	
cis-1,2-Dichloroethene	ND	0.0883	0.0767	ND	0.350	0.304	
Methyl ethyl ketone (2-Butanone)	0.244	0.0891	0.0767	0.720	0.263	0.226	
Ethyl acetate	1.04	0.0883	0.0767	3.74	0.318	0.276	m
Chloroform	ND	0.0886	0.0767	ND	0.433	0.375	
Tetrahydrofuran	ND	0.0885	0.0767	ND	0.261	0.226	
1,1,1-Trichloroethane	ND	0.0872	0.0767	ND	0.476	0.419	
Cyclohexane	ND	0.0892	0.0767	ND	0.307	0.264	
Carbon tetrachloride	0.0853	0.0887	0.0767	0.536	0.558	0.483	J
Benzene	0.266	0.0875	0.0767	0.851	0.280	0.245	
2,2,4-trimethylpentane	ND	0.0899	0.0767	ND	0.420	0.358	
1,2-Dichloroethane	ND	0.0896	0.0767	ND	0.363	0.311	
Heptane	0.0990	0.0881	0.0767	0.406	0.361	0.314	
Trichloroethene	ND	0.0880	0.0767	ND	0.473	0.412	
1,2-Dichloropropane	ND	0.0896	0.0767	ND	0.414	0.355	
Methyl methacrylate	ND	0.0909	0.0767	ND	0.372	0.314	
1,4-Dioxane	ND	0.0886	0.0767	ND	0.319	0.276	
Bromodichloromethane	ND	0.0871	0.0767	ND	0.583	0.514	
cis-1,3-Dichloropropene	ND	0.0862	0.0767	ND	0.391	0.348	
Methyl isobutyl ketone	0.119	0.0904	0.0767	0.486	0.370	0.314	
Toluene	0.595	0.0891	0.0767	2.24	0.336	0.289	
trans-1,3-Dichloropropene	ND	0.0891	0.0767	ND	0.404	0.348	
1,1,2-Trichloroethane	ND	0.0879	0.0767	ND	0.479	0.419	
Tetrachloroethene	ND	0.0885	0.0767	ND	0.600	0.520	
2-Hexanone (Methyl butyl ketone)	ND	0.0891	0.0767	ND	0.365	0.314	
Dibromochloromethane	ND	0.0865	0.0767	ND	0.737	0.654	
1,2-Dibromoethane	ND	0.0888	0.0767	ND	0.682	0.589	
Chlorobenzene	ND	0.0902	0.0767	ND	0.415	0.353	
Ethylbenzene	0.115	0.0863	0.0767	0.499	0.375	0.333	
1,1,1,2-Tetrachloroethane	ND	0.0877	0.0767	ND	0.602	0.527	
m-/p-Xylenes	0.239	0.0888	0.0767	1.04	0.386	0.333	

Sample Name	: ACF-AS-RES-2-24HR-082119
Sample Info	: 0819-068; Can #0807; 500mL load
Data File	: X1903152.D
Dilution	: 1
Pressurization Factor	: 2.192
Acquisition Date	: 2019-08-25 03:46:26
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.0981	0.0876	0.0767	0.426	0.380	0.333	
Styrene	ND	0.0854	0.0767	ND	0.364	0.327	
Bromoform	ND	0.0880	0.0767	ND	0.910	0.793	
1,1,2,2-Tetrachloroethane	ND	0.0877	0.0767	ND	0.602	0.527	
4-Ethyltoluene	ND	0.0883	0.0767	ND	0.434	0.377	
2-Chlorotoluene	ND	0.0883	0.0767	ND	0.457	0.397	
1,3,5-Trimethylbenzene	ND	0.0879	0.0767	ND	0.432	0.377	
1,2,4-Trimethylbenzene	0.0978	0.0872	0.0767	0.481	0.428	0.377	m
1,3-Dichlorobenzene	ND	0.0885	0.0767	ND	0.532	0.461	
1,4-Dichlorobenzene	ND	0.0879	0.0767	ND	0.529	0.461	
Benzyl chloride	ND	0.0875	0.0767	ND	0.453	0.397	
1,2-Dichlorobenzene	ND	0.0893	0.0767	ND	0.537	0.461	
1,2,4-Trichlorobenzene	ND	0.0890	0.0767	ND	0.660	0.569	
Hexachlorobutadiene	ND	0.0879	0.0767	ND	0.937	0.818	
Naphthalene	0.112	0.0907	0.0767	0.585	0.476	0.402	
1-Bromopropane	ND	0.0866	0.0767	ND	0.436	0.386	
1-Octene	ND	0.0858	0.0767	ND	0.394	0.352	
n-Octane	ND	0.0879	0.0767	ND	0.410	0.358	
Isopropylbenzene	ND	0.0890	0.0767	ND	0.438	0.377	
n-Propylbenzene	ND	0.0892	0.0767	ND	0.438	0.377	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	723,143	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	2,799,084	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,240,121	17.87	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Sample Name	: ACF-AS-RES-1-24HR-082119
Sample Info	: 0819-068; Can #0811; 500mL load
Data File	: X1903154.D
Dilution	: 1
Pressurization Factor	: 2.016
Acquisition Date	: 2019-08-25 05:39:03
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	1.81	0.0773	0.0706	3.12	0.133	0.121	
Freon 12 (CCl2F2)	0.442	0.0787	0.0706	2.19	0.389	0.349	
Freon 114 (C2Cl2F4)	ND	0.0807	0.0706	ND	0.564	0.493	
Chloromethane	2.15	0.0786	0.0706	4.44	0.162	0.146	
Chloroethene (Vinyl chloride)	ND	0.0811	0.0706	ND	0.207	0.180	
1,3-Butadiene	0.0816	0.0788	0.0706	0.180	0.174	0.156	
Bromomethane	ND	0.0798	0.0706	ND	0.310	0.274	
Chloroethane	ND	0.0813	0.0706	ND	0.214	0.186	
Bromoethene (Vinyl bromide)	ND	0.0804	0.0706	ND	0.352	0.309	
Freon 11 (CCl3F)	0.204	0.0837	0.0706	1.14	0.470	0.396	
Ethanol	2.15	0.202	0.0806	4.05	0.380	0.152	
Acrolein	0.189	0.0801	0.0706	0.432	0.184	0.162	
Freon 113 (C2Cl3F3)	0.0765	0.0802	0.0706	0.587	0.615	0.541	J
1,1-Dichloroethene	ND	0.0807	0.0706	ND	0.320	0.280	
Acetone	2.93	0.0810	0.0706	6.97	0.193	0.168	
Carbon disulfide	0.0920	0.0810	0.0706	0.287	0.252	0.220	
Isopropyl alcohol	0.726	0.0810	0.0706	1.78	0.199	0.173	
Allyl chloride (3-chloropropene)	ND	0.0811	0.0706	ND	0.254	0.221	
Acetonitrile	0.461	0.0810	0.0706	0.775	0.136	0.118	
Methylene chloride	ND	0.204	0.204	ND	0.709	0.709	
trans-1,2-Dichloroethene	ND	0.0822	0.0706	ND	0.326	0.280	
Methyl tert-butyl ether	ND	0.0826	0.0706	ND	0.298	0.254	
Acrylonitrile	ND	0.0824	0.0706	ND	0.179	0.153	
Hexane	0.265	0.0815	0.0706	0.932	0.287	0.249	
1,1-Dichloroethane	ND	0.0794	0.0706	ND	0.321	0.286	
Vinyl acetate	ND	0.0820	0.0706	ND	0.289	0.248	
cis-1,2-Dichloroethene	ND	0.0812	0.0706	ND	0.322	0.280	
Methyl ethyl ketone (2-Butanone)	0.261	0.0819	0.0706	0.770	0.242	0.208	
Ethyl acetate	1.59	0.0812	0.0706	5.72	0.293	0.254	
Chloroform	ND	0.0815	0.0706	ND	0.398	0.345	
Tetrahydrofuran	0.102	0.0814	0.0706	0.300	0.240	0.208	
1,1,1-Trichloroethane	ND	0.0802	0.0706	ND	0.438	0.385	
Cyclohexane	ND	0.0820	0.0706	ND	0.282	0.243	
Carbon tetrachloride	0.0772	0.0816	0.0706	0.485	0.513	0.444	J
Benzene	0.834	0.0805	0.0706	2.66	0.257	0.225	
2,2,4-trimethylpentane	ND	0.0827	0.0706	ND	0.386	0.330	
1,2-Dichloroethane	ND	0.0824	0.0706	ND	0.334	0.286	
Heptane	0.175	0.0810	0.0706	0.716	0.332	0.289	
Trichloroethene	ND	0.0810	0.0706	ND	0.435	0.379	
1,2-Dichloropropane	ND	0.0824	0.0706	ND	0.381	0.326	
Methyl methacrylate	ND	0.0836	0.0706	ND	0.342	0.289	
1,4-Dioxane	ND	0.0815	0.0706	ND	0.294	0.254	
Bromodichloromethane	ND	0.0801	0.0706	ND	0.537	0.473	
cis-1,3-Dichloropropene	ND	0.0793	0.0706	ND	0.360	0.320	
Methyl isobutyl ketone	ND	0.0831	0.0706	ND	0.341	0.289	
Toluene	0.664	0.0819	0.0706	2.50	0.309	0.266	
trans-1,3-Dichloropropene	ND	0.0819	0.0706	ND	0.372	0.320	
1,1,2-Trichloroethane	ND	0.0808	0.0706	ND	0.441	0.385	
Tetrachloroethene	ND	0.0814	0.0706	ND	0.552	0.479	
2-Hexanone (Methyl butyl ketone)	0.0774	0.0819	0.0706	0.317	0.336	0.289	J
Dibromochloromethane	ND	0.0796	0.0706	ND	0.678	0.601	
1,2-Dibromoethane	ND	0.0817	0.0706	ND	0.628	0.542	
Chlorobenzene	ND	0.0830	0.0706	ND	0.382	0.325	
Ethylbenzene	0.337	0.0793	0.0706	1.46	0.345	0.306	
1,1,1,2-Tetrachloroethane	ND	0.0806	0.0706	ND	0.554	0.484	
m-/p-Xylenes	0.236	0.0817	0.0706	1.02	0.355	0.306	

Sample Name	: ACF-AS-RES-1-24HR-082119
Sample Info	: 0819-068; Can #0811; 500mL load
Data File	: X1903154.D
Dilution	: 1
Pressurization Factor	: 2.016
Acquisition Date	: 2019-08-25 05:39:03
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.107	0.0806	0.0706	0.465	0.350	0.306	
Styrene	0.297	0.0785	0.0706	1.27	0.335	0.301	
Bromoform	ND	0.0810	0.0706	ND	0.837	0.729	
1,1,2,2-Tetrachloroethane	ND	0.0806	0.0706	ND	0.554	0.484	
4-Ethyltoluene	ND	0.0812	0.0706	ND	0.399	0.347	
2-Chlorotoluene	ND	0.0812	0.0706	ND	0.420	0.365	
1,3,5-Trimethylbenzene	ND	0.0809	0.0706	ND	0.398	0.347	
1,2,4-Trimethylbenzene	0.0902	0.0802	0.0706	0.443	0.394	0.347	
1,3-Dichlorobenzene	ND	0.0814	0.0706	ND	0.489	0.424	
1,4-Dichlorobenzene	ND	0.0809	0.0706	ND	0.486	0.424	
Benzyl chloride	ND	0.0805	0.0706	ND	0.417	0.365	
1,2-Dichlorobenzene	ND	0.0822	0.0706	ND	0.494	0.424	
1,2,4-Trichlorobenzene	ND	0.0818	0.0706	ND	0.607	0.524	
Hexachlorobutadiene	ND	0.0808	0.0706	ND	0.862	0.753	
Naphthalene	0.0781	0.0835	0.0706	0.409	0.438	0.370	J
1-Bromopropane	ND	0.0797	0.0706	ND	0.401	0.355	
1-Octene	ND	0.0789	0.0706	ND	0.362	0.324	
n-Octane	ND	0.0808	0.0706	ND	0.378	0.330	
Isopropylbenzene	0.125	0.0818	0.0706	0.617	0.402	0.347	
n-Propylbenzene	ND	0.0820	0.0706	ND	0.403	0.347	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	740,030	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	2,873,621	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,289,413	17.87	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Sample Name	: ACF-AS-PAM1-082119
Sample Info	: 0819-068; Can #0826; 500mL load
Data File	: X1903155.D
Dilution	: 1
Pressurization Factor	: 1.995
Acquisition Date	: 2019-08-25 06:35:16
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	4.02	0.0765	0.0698	6.92	0.132	0.120	
Freon 12 (CCl2F2)	0.435	0.0779	0.0698	2.15	0.385	0.345	
Freon 114 (C2Cl2F4)	ND	0.0799	0.0698	ND	0.558	0.488	
Chloromethane	4.40	0.0778	0.0698	9.08	0.161	0.144	
Chloroethene (Vinyl chloride)	ND	0.0803	0.0698	ND	0.205	0.178	
1,3-Butadiene	0.216	0.0780	0.0698	0.479	0.172	0.154	
Bromomethane	ND	0.0789	0.0698	ND	0.306	0.271	
Chloroethane	ND	0.0804	0.0698	ND	0.212	0.184	
Bromoethene (Vinyl bromide)	ND	0.0796	0.0698	ND	0.348	0.305	
Freon 11 (CCl3F)	0.210	0.0828	0.0698	1.18	0.465	0.392	
Ethanol	3.26	0.200	0.0798	6.15	0.376	0.150	
Acrolein	0.290	0.0792	0.0698	0.666	0.182	0.160	m
Freon 113 (C2Cl3F3)	0.0776	0.0794	0.0698	0.595	0.608	0.535	J
1,1-Dichloroethene	ND	0.0799	0.0698	ND	0.317	0.277	
Acetone	6.07	0.0802	0.0698	14.4	0.191	0.166	
Carbon disulfide	0.164	0.0801	0.0698	0.511	0.250	0.217	
Isopropyl alcohol	0.293	0.0801	0.0698	0.720	0.197	0.172	
Allyl chloride (3-chloropropene)	ND	0.0803	0.0698	ND	0.251	0.219	
Acetonitrile	1.13	0.0802	0.0698	1.89	0.135	0.117	
Methylene chloride	0.259	0.202	0.202	0.901	0.702	0.702	
trans-1,2-Dichloroethene	ND	0.0813	0.0698	ND	0.322	0.277	
Methyl tert-butyl ether	ND	0.0817	0.0698	ND	0.295	0.252	
Acrylonitrile	ND	0.0816	0.0698	ND	0.177	0.152	
Hexane	0.397	0.0807	0.0698	1.40	0.284	0.246	
1,1-Dichloroethane	ND	0.0786	0.0698	ND	0.318	0.283	
Vinyl acetate	ND	0.0812	0.0698	ND	0.286	0.246	
cis-1,2-Dichloroethene	ND	0.0804	0.0698	ND	0.319	0.277	
Methyl ethyl ketone (2-Butanone)	0.416	0.0811	0.0698	1.23	0.239	0.206	
Ethyl acetate	0.0818	0.0804	0.0698	0.295	0.290	0.252	
Chloroform	ND	0.0807	0.0698	ND	0.394	0.341	
Tetrahydrofuran	0.161	0.0805	0.0698	0.474	0.237	0.206	
1,1,1-Trichloroethane	ND	0.0794	0.0698	ND	0.433	0.381	
Cyclohexane	0.0748	0.0812	0.0698	0.257	0.279	0.240	J
Carbon tetrachloride	0.0794	0.0808	0.0698	0.499	0.508	0.439	J
Benzene	2.14	0.0796	0.0698	6.82	0.254	0.223	
2,2,4-trimethylpentane	0.0931	0.0818	0.0698	0.435	0.382	0.326	
1,2-Dichloroethane	ND	0.0816	0.0698	ND	0.330	0.283	
Heptane	0.238	0.0802	0.0698	0.977	0.329	0.286	
Trichloroethene	ND	0.0801	0.0698	ND	0.431	0.375	
1,2-Dichloropropane	ND	0.0816	0.0698	ND	0.377	0.323	
Methyl methacrylate	ND	0.0828	0.0698	ND	0.339	0.286	
1,4-Dioxane	0.0778	0.0807	0.0698	0.280	0.291	0.252	J
Bromodichloromethane	ND	0.0792	0.0698	ND	0.531	0.468	
cis-1,3-Dichloropropene	ND	0.0784	0.0698	ND	0.356	0.317	
Methyl isobutyl ketone	ND	0.0823	0.0698	ND	0.337	0.286	
Toluene	1.15	0.0811	0.0698	4.33	0.306	0.263	
trans-1,3-Dichloropropene	ND	0.0811	0.0698	ND	0.368	0.317	
1,1,2-Trichloroethane	ND	0.0800	0.0698	ND	0.436	0.381	
Tetrachloroethene	ND	0.0805	0.0698	ND	0.546	0.474	
2-Hexanone (Methyl butyl ketone)	ND	0.0811	0.0698	ND	0.332	0.286	
Dibromochloromethane	ND	0.0788	0.0698	ND	0.671	0.595	
1,2-Dibromoethane	ND	0.0808	0.0698	ND	0.621	0.536	
Chlorobenzene	ND	0.0821	0.0698	ND	0.378	0.321	
Ethylbenzene	0.716	0.0785	0.0698	3.11	0.341	0.303	
1,1,1,2-Tetrachloroethane	ND	0.0798	0.0698	ND	0.548	0.479	
m-/p-Xylenes	0.291	0.0808	0.0698	1.26	0.351	0.303	

Sample Name	: ACF-AS-PAM1-082119
Sample Info	: 0819-068; Can #0826; 500mL load
Data File	: X1903155.D
Dilution	: 1
Pressurization Factor	: 1.995
Acquisition Date	: 2019-08-25 06:35:16
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.152	0.0797	0.0698	0.661	0.346	0.303	
Styrene	0.777	0.0777	0.0698	3.31	0.331	0.297	
Bromoform	ND	0.0801	0.0698	ND	0.828	0.722	
1,1,2,2-Tetrachloroethane	ND	0.0798	0.0698	ND	0.548	0.479	
4-Ethyltoluene	ND	0.0804	0.0698	ND	0.395	0.343	
2-Chlorotoluene	ND	0.0804	0.0698	ND	0.416	0.361	
1,3,5-Trimethylbenzene	ND	0.0800	0.0698	ND	0.393	0.343	
1,2,4-Trimethylbenzene	0.102	0.0793	0.0698	0.500	0.390	0.343	
1,3-Dichlorobenzene	ND	0.0805	0.0698	ND	0.484	0.420	
1,4-Dichlorobenzene	ND	0.0800	0.0698	ND	0.481	0.420	
Benzyl chloride	ND	0.0796	0.0698	ND	0.412	0.361	
1,2-Dichlorobenzene	ND	0.0813	0.0698	ND	0.489	0.420	
1,2,4-Trichlorobenzene	ND	0.0810	0.0698	ND	0.601	0.518	
Hexachlorobutadiene	ND	0.0800	0.0698	ND	0.853	0.745	
Naphthalene	0.111	0.0826	0.0698	0.584	0.433	0.366	
1-Bromopropane	ND	0.0788	0.0698	ND	0.397	0.351	
1-Octene	ND	0.0780	0.0698	ND	0.358	0.321	
n-Octane	0.0875	0.0800	0.0698	0.409	0.374	0.326	
Isopropylbenzene	0.216	0.0810	0.0698	1.06	0.398	0.343	
n-Propylbenzene	ND	0.0812	0.0698	ND	0.399	0.343	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	745,177	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	2,878,178	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,335,032	17.86	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Sample Name	: ACF-AS-PAM2-082119
Sample Info	: 0819-068; Can #0762; 500mL load
Data File	: X1903156.D
Dilution	: 1
Pressurization Factor	: 2.064
Acquisition Date	: 2019-08-25 07:31:28
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	4.29	0.0792	0.0722	7.39	0.136	0.124	
Freon 12 (CCl2F2)	0.432	0.0806	0.0722	2.14	0.398	0.357	
Freon 114 (C2Cl2F4)	ND	0.0826	0.0722	ND	0.578	0.505	
Chloromethane	4.01	0.0805	0.0722	8.29	0.166	0.149	
Chloroethene (Vinyl chloride)	ND	0.0831	0.0722	ND	0.212	0.185	
1,3-Butadiene	0.248	0.0807	0.0722	0.549	0.178	0.160	
Bromomethane	ND	0.0817	0.0722	ND	0.317	0.281	
Chloroethane	ND	0.0832	0.0722	ND	0.220	0.191	
Bromoethene (Vinyl bromide)	ND	0.0823	0.0722	ND	0.360	0.316	
Freon 11 (CCl3F)	0.205	0.0857	0.0722	1.15	0.481	0.406	
Ethanol	3.12	0.206	0.0826	5.87	0.389	0.156	
Acrolein	0.280	0.0820	0.0722	0.643	0.188	0.166	
Freon 113 (C2Cl3F3)	0.0767	0.0821	0.0722	0.588	0.630	0.554	J
1,1-Dichloroethene	ND	0.0826	0.0722	ND	0.328	0.286	
Acetone	3.90	0.0830	0.0722	9.27	0.197	0.172	m
Carbon disulfide	0.110	0.0829	0.0722	0.342	0.258	0.225	
Isopropyl alcohol	0.245	0.0829	0.0722	0.602	0.204	0.178	
Allyl chloride (3-chloropropene)	ND	0.0831	0.0722	ND	0.260	0.226	
Acetonitrile	0.709	0.0830	0.0722	1.19	0.139	0.121	
Methylene chloride	ND	0.209	0.209	ND	0.726	0.726	
trans-1,2-Dichloroethene	ND	0.0841	0.0722	ND	0.334	0.286	
Methyl tert-butyl ether	ND	0.0845	0.0722	ND	0.305	0.260	
Acrylonitrile	ND	0.0844	0.0722	ND	0.183	0.157	
Hexane	0.339	0.0835	0.0722	1.20	0.294	0.255	
1,1-Dichloroethane	ND	0.0813	0.0722	ND	0.329	0.292	
Vinyl acetate	ND	0.0840	0.0722	ND	0.296	0.254	
cis-1,2-Dichloroethene	ND	0.0831	0.0722	ND	0.330	0.286	
Methyl ethyl ketone (2-Butanone)	0.427	0.0839	0.0722	1.26	0.247	0.213	
Ethyl acetate	ND	0.0831	0.0722	ND	0.300	0.260	
Chloroform	ND	0.0835	0.0722	ND	0.408	0.353	
Tetrahydrofuran	0.166	0.0833	0.0722	0.489	0.246	0.213	
1,1,1-Trichloroethane	ND	0.0821	0.0722	ND	0.448	0.394	
Cyclohexane	ND	0.0840	0.0722	ND	0.289	0.249	
Carbon tetrachloride	0.0754	0.0836	0.0722	0.475	0.526	0.454	J
Benzene	2.26	0.0824	0.0722	7.21	0.263	0.231	
2,2,4-trimethylpentane	0.0782	0.0846	0.0722	0.365	0.395	0.337	J
1,2-Dichloroethane	ND	0.0844	0.0722	ND	0.342	0.292	
Heptane	0.246	0.0830	0.0722	1.01	0.340	0.296	
Trichloroethene	ND	0.0829	0.0722	ND	0.445	0.388	
1,2-Dichloropropane	ND	0.0844	0.0722	ND	0.390	0.334	
Methyl methacrylate	ND	0.0856	0.0722	ND	0.351	0.296	
1,4-Dioxane	0.0813	0.0835	0.0722	0.293	0.301	0.260	J
Bromodichloromethane	ND	0.0820	0.0722	ND	0.549	0.484	
cis-1,3-Dichloropropene	ND	0.0812	0.0722	ND	0.368	0.328	
Methyl isobutyl ketone	ND	0.0851	0.0722	ND	0.349	0.296	
Toluene	1.17	0.0839	0.0722	4.41	0.316	0.272	
trans-1,3-Dichloropropene	ND	0.0839	0.0722	ND	0.381	0.328	
1,1,2-Trichloroethane	ND	0.0827	0.0722	ND	0.451	0.394	
Tetrachloroethene	0.238	0.0833	0.0722	1.62	0.565	0.490	
2-Hexanone (Methyl butyl ketone)	0.184	0.0839	0.0722	0.755	0.344	0.296	
Dibromochloromethane	ND	0.0815	0.0722	ND	0.694	0.615	
1,2-Dibromoethane	ND	0.0836	0.0722	ND	0.643	0.555	
Chlorobenzene	ND	0.0850	0.0722	ND	0.391	0.333	
Ethylbenzene	0.730	0.0812	0.0722	3.17	0.353	0.314	
1,1,1,2-Tetrachloroethane	ND	0.0826	0.0722	ND	0.567	0.496	
m-/p-Xylenes	0.380	0.0836	0.0722	1.65	0.363	0.314	

Sample Name	: ACF-AS-PAM2-082119
Sample Info	: 0819-068; Can #0762; 500mL load
Data File	: X1903156.D
Dilution	: 1
Pressurization Factor	: 2.064
Acquisition Date	: 2019-08-25 07:31:28
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.168	0.0825	0.0722	0.731	0.358	0.314	
Styrene	0.801	0.0804	0.0722	3.41	0.343	0.308	
Bromoform	ND	0.0829	0.0722	ND	0.857	0.747	
1,1,2,2-Tetrachloroethane	ND	0.0826	0.0722	ND	0.567	0.496	
4-Ethyltoluene	ND	0.0831	0.0722	ND	0.409	0.355	
2-Chlorotoluene	ND	0.0831	0.0722	ND	0.430	0.374	
1,3,5-Trimethylbenzene	ND	0.0828	0.0722	ND	0.407	0.355	
1,2,4-Trimethylbenzene	0.108	0.0821	0.0722	0.531	0.403	0.355	m
1,3-Dichlorobenzene	ND	0.0833	0.0722	ND	0.501	0.434	
1,4-Dichlorobenzene	ND	0.0828	0.0722	ND	0.498	0.434	
Benzyl chloride	ND	0.0824	0.0722	ND	0.427	0.374	
1,2-Dichlorobenzene	ND	0.0841	0.0722	ND	0.506	0.434	
1,2,4-Trichlorobenzene	ND	0.0838	0.0722	ND	0.622	0.536	
Hexachlorobutadiene	ND	0.0827	0.0722	ND	0.882	0.770	
Naphthalene	0.113	0.0854	0.0722	0.591	0.448	0.379	
1-Bromopropane	ND	0.0816	0.0722	ND	0.410	0.363	
1-Octene	ND	0.0807	0.0722	ND	0.371	0.332	
n-Octane	0.0910	0.0827	0.0722	0.425	0.386	0.338	m
Isopropylbenzene	0.213	0.0838	0.0722	1.05	0.412	0.355	
n-Propylbenzene	ND	0.0840	0.0722	ND	0.413	0.355	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	753,184	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	2,889,384	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,310,862	17.87	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Canister and Controller Data Sheet

Enthalpy Analytical, LLC

Client Name: Tetra Tech, Inc.
Client #: TT-01-128
Enthalpy Job #: 0819-068

Canister Data

Canister ID	Blk Ck ID / Sample ID	Canister Pressure Pre-Sample (mmHg)	Canister Pressure Post-Sample (mmHg)	Canister Pressure Final (mmHg)	Canister Pressurization Factor
0826	X1902037 / ACF-AS-PAM1-082119	-758	-13	733	1.995
0762	X1902855 / ACF-AS-PAM2-082119	-758	-37	735	2.064
0811	X1902102 / ACF-AS-RES-1-24HR-082119	-758	-23	728	2.016
0807	X1902102 / ACF-AS-RES-2-24HR-082119	-758	-68	760	2.192

Date Prepared: 8/9/19
Date Received: 8/23/19

Prepared By: BWR
Received By: DSM

Lab QC

ENTHALPY

Sample Name : ACF-AS-RES-2-24HR-082119 LD
Sample Info : 0819-068; Can #0807; 500mL load
Data File : X1903153.D
Dilution : 1
Pressurization Factor : 2.192
Acquisition Date : 2019-08-25 04:42:46
Instrument Method : TO15-SCN.M
Matrix : AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	% Diff	Flag *
Propylene	0.679	0.0841	0.0767	1.17	0.145	0.132	1.0	m
Freon 12 (CCl2F2)	0.440	0.0856	0.0767	2.17	0.423	0.379	0.1	
Freon 114 (C2Cl2F4)	ND	0.0878	0.0767	ND	0.614	0.536		
Chloromethane	0.987	0.0855	0.0767	2.04	0.177	0.158	1.4	
Chloroethene (Vinyl chloride)	ND	0.0882	0.0767	ND	0.225	0.196		
1,3-Butadiene	ND	0.0857	0.0767	ND	0.190	0.170		
Bromomethane	ND	0.0867	0.0767	ND	0.337	0.298		
Chloroethane	ND	0.0884	0.0767	ND	0.233	0.202		
Bromoethene (Vinyl bromide)	ND	0.0874	0.0767	ND	0.382	0.336		
Freon 11 (CCl3F)	0.212	0.0910	0.0767	1.19	0.511	0.431	0.5	
Ethanol	2.81	0.219	0.0877	5.30	0.413	0.165	0.2	
Acrolein	0.252	0.0871	0.0767	0.578	0.200	0.176	16.3	
Freon 113 (C2Cl3F3)	ND	0.0872	0.0767	ND	0.669	0.588		
1,1-Dichloroethene	ND	0.0878	0.0767	ND	0.348	0.304		
Acetone	3.46	0.0881	0.0767	8.22	0.209	0.182	0.8	
Carbon disulfide	ND	0.0880	0.0767	ND	0.274	0.239		
Isopropyl alcohol	0.429	0.0880	0.0767	1.05	0.216	0.189	4.3	
Allyl chloride (3-chloropropene)	ND	0.0882	0.0767	ND	0.276	0.240		
Acetonitrile	0.695	0.0881	0.0767	1.17	0.148	0.129	5.5	
Methylene chloride	ND	0.222	0.222	ND	0.771	0.771		
trans-1,2-Dichloroethene	ND	0.0893	0.0767	ND	0.354	0.304		
Methyl tert-butyl ether	ND	0.0898	0.0767	ND	0.324	0.277		
Acrylonitrile	ND	0.0896	0.0767	ND	0.194	0.167		
Hexane	0.207	0.0886	0.0767	0.728	0.312	0.270	6.3	
1,1-Dichloroethane	ND	0.0864	0.0767	ND	0.350	0.311		
Vinyl acetate	ND	0.0892	0.0767	ND	0.314	0.270		
cis-1,2-Dichloroethene	ND	0.0883	0.0767	ND	0.350	0.304		
Methyl ethyl ketone (2-Butanone)	0.239	0.0891	0.0767	0.705	0.263	0.226	2.1	
Ethyl acetate	1.09	0.0883	0.0767	3.94	0.318	0.276	5.2	
Chloroform	ND	0.0886	0.0767	ND	0.433	0.375		
Tetrahydrofuran	ND	0.0885	0.0767	ND	0.261	0.226		
1,1,1-Trichloroethane	ND	0.0872	0.0767	ND	0.476	0.419		
Cyclohexane	ND	0.0892	0.0767	ND	0.307	0.264		
Carbon tetrachloride	ND	0.0887	0.0767	ND	0.558	0.483		
Benzene	0.269	0.0875	0.0767	0.859	0.280	0.245	1.0	
2,2,4-trimethylpentane	ND	0.0899	0.0767	ND	0.420	0.358		
1,2-Dichloroethane	ND	0.0896	0.0767	ND	0.363	0.311		
Heptane	0.0817	0.0881	0.0767	0.335	0.361	0.314		J
Trichloroethene	ND	0.0880	0.0767	ND	0.473	0.412		
1,2-Dichloropropane	ND	0.0896	0.0767	ND	0.414	0.355		
Methyl methacrylate	ND	0.0909	0.0767	ND	0.372	0.314		
1,4-Dioxane	ND	0.0886	0.0767	ND	0.319	0.276		
Bromodichloromethane	ND	0.0871	0.0767	ND	0.583	0.514		
cis-1,3-Dichloropropene	ND	0.0862	0.0767	ND	0.391	0.348		
Methyl isobutyl ketone	0.117	0.0904	0.0767	0.480	0.370	0.314	1.3	
Toluene	0.606	0.0891	0.0767	2.28	0.336	0.289	1.8	
trans-1,3-Dichloropropene	ND	0.0891	0.0767	ND	0.404	0.348		
1,1,2-Trichloroethane	ND	0.0879	0.0767	ND	0.479	0.419		
Tetrachloroethene	ND	0.0885	0.0767	ND	0.600	0.520		
2-Hexanone (Methyl butyl ketone)	ND	0.0891	0.0767	ND	0.365	0.314		
Dibromochloromethane	ND	0.0865	0.0767	ND	0.737	0.654		
1,2-Dibromoethane	ND	0.0888	0.0767	ND	0.682	0.589		
Chlorobenzene	ND	0.0902	0.0767	ND	0.415	0.353		
Ethylbenzene	0.116	0.0863	0.0767	0.503	0.375	0.333	0.7	
1,1,1,2-Tetrachloroethane	ND	0.0877	0.0767	ND	0.602	0.527		
m-/p-Xylenes	0.247	0.0888	0.0767	1.07	0.386	0.333	3.4	
o-Xylene	0.102	0.0876	0.0767	0.442	0.380	0.333	3.7	
Styrene	ND	0.0854	0.0767	ND	0.364	0.327		
Bromoform	ND	0.0880	0.0767	ND	0.910	0.793		
1,1,2,2-Tetrachloroethane	ND	0.0877	0.0767	ND	0.602	0.527		
4-Ethyltoluene	ND	0.0883	0.0767	ND	0.434	0.377		
2-Chlorotoluene	ND	0.0883	0.0767	ND	0.457	0.397		

Sample Name	: ACF-AS-RES-2-24HR-082119 LD
Sample Info	: 0819-068; Can #0807; 500mL load
Data File	: X1903153.D
Dilution	: 1
Pressurization Factor	: 2.192
Acquisition Date	: 2019-08-25 04:42:46
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	% Diff	Flag *
1,3,5-Trimethylbenzene	ND	0.0879	0.0767	ND	0.432	0.377		
1,2,4-Trimethylbenzene	0.106	0.0872	0.0767	0.520	0.428	0.377	7.9	
1,3-Dichlorobenzene	ND	0.0885	0.0767	ND	0.532	0.461		
1,4-Dichlorobenzene	ND	0.0879	0.0767	ND	0.529	0.461		
Benzyl chloride	ND	0.0875	0.0767	ND	0.453	0.397		
1,2-Dichlorobenzene	ND	0.0893	0.0767	ND	0.537	0.461		
1,2,4-Trichlorobenzene	ND	0.0890	0.0767	ND	0.660	0.569		
Hexachlorobutadiene	ND	0.0879	0.0767	ND	0.937	0.818		
Naphthalene	0.0838	0.0907	0.0767	0.439	0.476	0.402		J
1-Bromopropane	ND	0.0866	0.0767	ND	0.436	0.386		
1-Octene	ND	0.0858	0.0767	ND	0.394	0.352		
n-Octane	ND	0.0879	0.0767	ND	0.410	0.358		
Isopropylbenzene	ND	0.0890	0.0767	ND	0.438	0.377		
n-Propylbenzene	ND	0.0892	0.0767	ND	0.438	0.377		

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	714,847	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	2,760,689	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,210,960	17.87	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Sample Name	: Humid Blank #0702
Sample Info	: 500mL load; MP#3
Data File	: X1903149.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-08-25 00:57:44
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	0.0366	0.0384	0.0350	0.0629	0.0660	0.0602	m J
Freon 12 (CCl2F2)	ND	0.0390	0.0350	ND	0.193	0.173	
Freon 114 (C2Cl2F4)	ND	0.0400	0.0350	ND	0.280	0.245	
Chloromethane	ND	0.0390	0.0350	ND	0.0805	0.0723	
Chloroethene (Vinyl chloride)	ND	0.0402	0.0350	ND	0.103	0.0895	
1,3-Butadiene	ND	0.0391	0.0350	ND	0.0865	0.0774	
Bromomethane	ND	0.0396	0.0350	ND	0.154	0.136	
Chloroethane	ND	0.0403	0.0350	ND	0.106	0.0924	
Bromoethene (Vinyl bromide)	ND	0.0399	0.0350	ND	0.174	0.153	
Freon 11 (CCl3F)	ND	0.0415	0.0350	ND	0.233	0.197	
Ethanol	0.0641	0.100	0.0400	0.121	0.188	0.0754	m J
Acrolein	ND	0.0397	0.0350	ND	0.0911	0.0803	
Freon 113 (C2Cl3F3)	ND	0.0398	0.0350	ND	0.305	0.268	
1,1-Dichloroethene	ND	0.0400	0.0350	ND	0.159	0.139	
Acetone	0.0381	0.0402	0.0350	0.0904	0.0955	0.0831	J
Carbon disulfide	ND	0.0402	0.0350	ND	0.125	0.109	
Isopropyl alcohol	ND	0.0402	0.0350	ND	0.0987	0.0860	
Allyl chloride (3-chloropropene)	ND	0.0402	0.0350	ND	0.126	0.110	
Acetonitrile	ND	0.0402	0.0350	ND	0.0675	0.0588	
Methylene chloride	ND	0.101	0.101	ND	0.352	0.352	
trans-1,2-Dichloroethene	ND	0.0408	0.0350	ND	0.162	0.139	
Methyl tert-butyl ether	ND	0.0410	0.0350	ND	0.148	0.126	
Acrylonitrile	ND	0.0409	0.0350	ND	0.0887	0.0760	
Hexane	ND	0.0404	0.0350	ND	0.143	0.123	
1,1-Dichloroethane	ND	0.0394	0.0350	ND	0.159	0.142	
Vinyl acetate	ND	0.0407	0.0350	ND	0.143	0.123	
cis-1,2-Dichloroethene	ND	0.0403	0.0350	ND	0.160	0.139	
Methyl ethyl ketone (2-Butanone)	ND	0.0406	0.0350	ND	0.120	0.103	
Ethyl acetate	ND	0.0403	0.0350	ND	0.145	0.126	
Chloroform	ND	0.0404	0.0350	ND	0.197	0.171	
Tetrahydrofuran	ND	0.0404	0.0350	ND	0.119	0.103	
1,1,1-Trichloroethane	ND	0.0398	0.0350	ND	0.217	0.191	
Cyclohexane	ND	0.0407	0.0350	ND	0.140	0.120	
Carbon tetrachloride	ND	0.0405	0.0350	ND	0.255	0.220	
Benzene	ND	0.0399	0.0350	ND	0.128	0.112	
2,2,4-trimethylpentane	ND	0.0410	0.0350	ND	0.192	0.164	
1,2-Dichloroethane	ND	0.0409	0.0350	ND	0.165	0.142	
Heptane	ND	0.0402	0.0350	ND	0.165	0.143	
Trichloroethene	ND	0.0402	0.0350	ND	0.216	0.188	
1,2-Dichloropropane	ND	0.0409	0.0350	ND	0.189	0.162	
Methyl methacrylate	ND	0.0415	0.0350	ND	0.170	0.143	
1,4-Dioxane	ND	0.0404	0.0350	ND	0.146	0.126	
Bromodichloromethane	ND	0.0397	0.0350	ND	0.266	0.235	
cis-1,3-Dichloropropene	ND	0.0393	0.0350	ND	0.178	0.159	
Methyl isobutyl ketone	ND	0.0412	0.0350	ND	0.169	0.143	
Toluene	ND	0.0406	0.0350	ND	0.153	0.132	
trans-1,3-Dichloropropene	ND	0.0406	0.0350	ND	0.184	0.159	
1,1,2-Trichloroethane	ND	0.0401	0.0350	ND	0.219	0.191	
Tetrachloroethene	ND	0.0404	0.0350	ND	0.274	0.237	
2-Hexanone (Methyl butyl ketone)	ND	0.0406	0.0350	ND	0.166	0.143	
Dibromochloromethane	ND	0.0395	0.0350	ND	0.336	0.298	
1,2-Dibromoethane	ND	0.0405	0.0350	ND	0.311	0.269	
Chlorobenzene	ND	0.0412	0.0350	ND	0.189	0.161	
Ethylbenzene	ND	0.0394	0.0350	ND	0.171	0.152	
1,1,1,2-Tetrachloroethane	ND	0.0400	0.0350	ND	0.275	0.240	
m-/p-Xylenes	ND	0.0405	0.0350	ND	0.176	0.152	

Sample Name	: Humid Blank #0702
Sample Info	: 500mL load; MP#3
Data File	: X1903149.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-08-25 00:57:44
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	ND	0.0400	0.0350	ND	0.174	0.152	
Styrene	ND	0.0390	0.0350	ND	0.166	0.149	
Bromoform	ND	0.0402	0.0350	ND	0.415	0.362	
1,1,2,2-Tetrachloroethane	ND	0.0400	0.0350	ND	0.275	0.240	
4-Ethyltoluene	ND	0.0403	0.0350	ND	0.198	0.172	
2-Chlorotoluene	ND	0.0403	0.0350	ND	0.209	0.181	
1,3,5-Trimethylbenzene	ND	0.0401	0.0350	ND	0.197	0.172	
1,2,4-Trimethylbenzene	ND	0.0398	0.0350	ND	0.195	0.172	
1,3-Dichlorobenzene	ND	0.0404	0.0350	ND	0.243	0.210	
1,4-Dichlorobenzene	ND	0.0401	0.0350	ND	0.241	0.210	
Benzyl chloride	ND	0.0399	0.0350	ND	0.207	0.181	
1,2-Dichlorobenzene	ND	0.0408	0.0350	ND	0.245	0.210	
1,2,4-Trichlorobenzene	0.0723	0.0406	0.0350	0.537	0.301	0.260	
Hexachlorobutadiene	ND	0.0401	0.0350	ND	0.427	0.373	
Naphthalene	0.0993	0.0414	0.0350	0.521	0.217	0.183	
1-Bromopropane	ND	0.0395	0.0350	ND	0.199	0.176	
1-Octene	ND	0.0391	0.0350	ND	0.180	0.161	
n-Octane	ND	0.0401	0.0350	ND	0.187	0.164	
Isopropylbenzene	ND	0.0406	0.0350	ND	0.200	0.172	
n-Propylbenzene	ND	0.0407	0.0350	ND	0.200	0.172	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	712,486	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	2,735,141	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,221,375	17.86	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Sample Name	: 5ppbv TO15 LCS
Sample Info	: 50mL load; Can #000100; GCMSPrepPg800
Data File	: X1903146.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-08-24 22:16:30
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Response	Concentration (PPBV)	Tag Value (PPBV)	% Recovery	Flag
Propylene	615,546	5.29	4.80	110.4	PASS
Freon 12 (CCl2F2)	1,330,846	4.08	4.88	83.6	PASS
Freon 114 (C2Cl2F4)	1,514,374	4.32	5.01	86.2	PASS
Chloromethane	746,519	5.68	4.88	116.5	PASS
Chloroethene (Vinyl chloride)	701,724	4.79	5.03	95.3	PASS
1,3-Butadiene	627,935	4.85	4.89	99.3	PASS
Bromomethane	575,767	3.89	4.95	78.6	PASS
Chloroethane	355,077	4.86	5.04	96.5	PASS
Bromoethene (Vinyl bromide)	623,840	4.50	4.99	90.3	PASS
Freon 11 (CCl3F)	1,554,736	4.50	5.19	86.7	PASS
Ethanol	353,614	6.10	5.00	122.0	PASS
Acrolein	312,422	5.86	4.97	118.0	PASS
1,1-Dichloroethene	1,152,125	5.17	5.01	103.3	PASS
Freon 113 (C2Cl3F3)	1,029,056	5.09	4.98	102.3	PASS
Acetone	1,207,494	5.03	5.03	100.0	PASS
Isopropyl alcohol	1,488,060	6.03	5.02	120.1	PASS
Carbon disulfide	1,802,638	4.19	5.02	83.6	PASS
Acetonitrile	750,886	6.35	5.03	126.3	PASS
Allyl chloride (3-chloropropene)	282,493	4.52	5.03	89.8	PASS
Methylene chloride	1,075,109	4.91	5.07	97.0	PASS
Acrylonitrile	675,615	6.31	5.11	123.4	PASS
Methyl tert-butyl ether	1,661,101	4.90	5.12	95.7	PASS
trans-1,2-Dichloroethene	1,062,863	5.36	5.10	105.1	PASS
Hexane	1,203,012	5.83	5.06	115.4	PASS
Vinyl acetate	2,114,314	6.05	5.09	119.0	PASS
1,1-Dichloroethane	1,263,804	5.13	4.93	104.2	PASS
Methyl ethyl ketone (2-Butanone)	314,354	4.76	5.08	93.7	PASS
cis-1,2-Dichloroethene	1,252,580	5.53	5.04	109.8	PASS
Ethyl acetate	291,321	5.80	5.04	115.1	PASS
1-Bromopropane	1,486,959	6.11	4.94	123.7	PASS
Tetrahydrofuran	296,898	4.82	5.05	95.6	PASS
Chloroform	1,287,304	4.50	5.06	89.1	PASS
1,1,1-Trichloroethane	1,228,923	4.41	4.98	88.6	PASS
Cyclohexane	1,270,509	5.79	5.09	113.8	PASS
Carbon tetrachloride	1,318,333	4.69	5.06	92.7	PASS
Benzene	1,843,017	4.72	4.99	94.5	PASS
1,2-Dichloroethane	921,806	5.16	5.11	101.0	PASS
2,2,4-trimethylpentane	3,824,513	6.06	5.13	118.2	PASS
Heptane	758,576	5.78	5.03	115.1	PASS
Trichloroethene	894,455	5.33	5.02	106.2	PASS
1,2-Dichloropropane	840,219	5.30	4.98	106.4	PASS
Methyl methacrylate	711,555	4.97	5.19	95.8	PASS

Sample Name	: 5ppbv TO15 LCS
Sample Info	: 50mL load; Can #000100; GCMSPrepPg800
Data File	: X1903146.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-08-24 22:16:30
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Response	Concentration (PPBV)	Tag Value (PPBV)	% Recovery	Flag
1,4-Dioxane	448,527	4.95	5.06	97.9	PASS
Bromodichloromethane	1,351,746	4.59	4.97	92.4	PASS
cis-1,3-Dichloropropene	1,094,495	4.78	4.92	97.2	PASS
Methyl isobutyl ketone	2,082,742	6.31	5.16	122.3	PASS
Toluene	2,200,068	4.63	5.08	91.2	PASS
1-Octene	535,865	4.74	4.89	97.0	PASS
n-Octane	704,217	4.82	5.01	96.1	PASS
trans-1,3-Dichloropropene	1,094,874	4.89	5.08	96.2	PASS
1,1,2-Trichloroethane	789,260	4.71	5.01	94.1	PASS
Tetrachloroethene	1,121,593	5.48	5.05	108.6	PASS
2-Hexanone (Methyl butyl ketone)	1,953,769	6.49	5.08	127.7	PASS
Dibromochloromethane	1,524,259	4.97	4.94	100.7	PASS
1,2-Dibromoethane	1,358,875	4.87	5.07	96.1	PASS
Chlorobenzene	1,831,256	5.27	5.15	102.5	PASS
Ethylbenzene	2,620,986	4.54	4.92	92.2	PASS
1,1,1,2-Tetrachloroethane	1,006,892	5.10	5.00	102.0	PASS
m-/p-Xylenes	2,291,457	4.92	5.07	97.2	PASS
o-Xylene	2,202,438	4.78	5.00	95.8	PASS
Styrene	1,783,379	4.99	4.87	102.5	PASS
Bromoform	1,501,183	5.32	5.02	106.0	PASS
Isopropylbenzene	3,100,356	5.02	5.08	98.9	PASS
1,1,2,2-Tetrachloroethane	1,706,987	4.68	5.00	93.5	PASS
n-Propylbenzene	3,559,625	4.93	5.09	97.0	PASS
4-Ethyltoluene	3,104,401	5.20	5.04	103.4	PASS
2-Chlorotoluene	2,494,036	4.75	5.04	94.4	PASS
1,3,5-Trimethylbenzene	2,491,518	4.95	5.02	98.7	PASS
1,2,4-Trimethylbenzene	2,532,226	5.14	4.97	103.4	PASS
1,3-Dichlorobenzene	1,716,681	5.92	5.05	117.3	PASS
1,4-Dichlorobenzene	1,682,772	6.13	5.02	122.2	PASS
Benzyl chloride	2,193,140	5.85	4.99	117.2	PASS
1,2-Dichlorobenzene	1,678,279	5.85	5.10	114.8	PASS
1,2,4-Trichlorobenzene	880,737	6.61	5.08	130.3	FAIL
Hexachlorobutadiene	983,393	4.07	5.01	81.2	PASS
Naphthalene	2,591,790	6.71	5.18	129.7	PASS

Sample Name	: 5ppbv TO15 LCS
Sample Info	: 50mL load; Can #000100; GCMSPrepPg800
Data File	: X1903146.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-08-24 22:16:30
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	5.29	0.0384	0.0350	9.11	0.0660	0.0602	
Freon 12 (CCl2F2)	4.08	0.0390	0.0350	20.2	0.193	0.173	
Freon 114 (C2Cl2F4)	4.32	0.0400	0.0350	30.2	0.280	0.245	
Chloromethane	5.68	0.0390	0.0350	11.7	0.0805	0.0723	
Chloroethene (Vinyl chloride)	4.79	0.0402	0.0350	12.2	0.103	0.0895	
1,3-Butadiene	4.85	0.0391	0.0350	10.7	0.0865	0.0774	
Bromomethane	3.89	0.0396	0.0350	15.1	0.154	0.136	
Chloroethane	4.86	0.0403	0.0350	12.8	0.106	0.0924	
Bromoethene (Vinyl bromide)	4.50	0.0399	0.0350	19.7	0.174	0.153	
Freon 11 (CCl3F)	4.50	0.0415	0.0350	25.3	0.233	0.197	
Ethanol	6.10	0.100	0.0400	11.5	0.188	0.0754	
Acrolein	5.86	0.0397	0.0350	13.4	0.0911	0.0803	
Freon 113 (C2Cl3F3)	5.09	0.0398	0.0350	39.0	0.305	0.268	
1,1-Dichloroethene	5.17	0.0400	0.0350	20.5	0.159	0.139	
Acetone	5.03	0.0402	0.0350	11.9	0.0955	0.0831	
Carbon disulfide	4.19	0.0402	0.0350	13.1	0.125	0.109	
Isopropyl alcohol	6.03	0.0402	0.0350	14.8	0.0987	0.0860	
Allyl chloride (3-chloropropene)	4.52	0.0402	0.0350	14.1	0.126	0.110	
Acetonitrile	6.35	0.0402	0.0350	10.7	0.0675	0.0588	
Methylene chloride	4.91	0.101	0.101	17.1	0.352	0.352	m
trans-1,2-Dichloroethene	5.36	0.0408	0.0350	21.2	0.162	0.139	
Methyl tert-butyl ether	4.90	0.0410	0.0350	17.7	0.148	0.126	
Acrylonitrile	6.31	0.0409	0.0350	13.7	0.0887	0.0760	
Hexane	5.83	0.0404	0.0350	20.6	0.143	0.123	
1,1-Dichloroethane	5.13	0.0394	0.0350	20.8	0.159	0.142	
Vinyl acetate	6.05	0.0407	0.0350	21.3	0.143	0.123	m
cis-1,2-Dichloroethene	5.53	0.0403	0.0350	21.9	0.160	0.139	m
Methyl ethyl ketone (2-Butanone)	4.76	0.0406	0.0350	14.0	0.120	0.103	
Ethyl acetate	5.80	0.0403	0.0350	20.9	0.145	0.126	
Chloroform	4.50	0.0404	0.0350	22.0	0.197	0.171	
Tetrahydrofuran	4.82	0.0404	0.0350	14.2	0.119	0.103	
1,1,1-Trichloroethane	4.41	0.0398	0.0350	24.1	0.217	0.191	
Cyclohexane	5.79	0.0407	0.0350	19.9	0.140	0.120	
Carbon tetrachloride	4.69	0.0405	0.0350	29.5	0.255	0.220	
Benzene	4.72	0.0399	0.0350	15.1	0.128	0.112	
2,2,4-trimethylpentane	6.06	0.0410	0.0350	28.3	0.192	0.164	
1,2-Dichloroethane	5.16	0.0409	0.0350	20.9	0.165	0.142	
Heptane	5.78	0.0402	0.0350	23.7	0.165	0.143	
Trichloroethene	5.33	0.0402	0.0350	28.6	0.216	0.188	
1,2-Dichloropropane	5.30	0.0409	0.0350	24.5	0.189	0.162	
Methyl methacrylate	4.97	0.0415	0.0350	20.3	0.170	0.143	
1,4-Dioxane	4.95	0.0404	0.0350	17.8	0.146	0.126	
Bromodichloromethane	4.59	0.0397	0.0350	30.8	0.266	0.235	
cis-1,3-Dichloropropene	4.78	0.0393	0.0350	21.7	0.178	0.159	
Methyl isobutyl ketone	6.31	0.0412	0.0350	25.8	0.169	0.143	
Toluene	4.63	0.0406	0.0350	17.5	0.153	0.132	
trans-1,3-Dichloropropene	4.89	0.0406	0.0350	22.2	0.184	0.159	
1,1,2-Trichloroethane	4.71	0.0401	0.0350	25.7	0.219	0.191	
Tetrachloroethene	5.48	0.0404	0.0350	37.1	0.274	0.237	
2-Hexanone (Methyl butyl ketone)	6.49	0.0406	0.0350	26.6	0.166	0.143	
Dibromochloromethane	4.97	0.0395	0.0350	42.4	0.336	0.298	
1,2-Dibromoethane	4.87	0.0405	0.0350	37.4	0.311	0.269	
Chlorobenzene	5.27	0.0412	0.0350	24.3	0.189	0.161	
Ethylbenzene	4.54	0.0394	0.0350	19.7	0.171	0.152	
1,1,1,2-Tetrachloroethane	5.10	0.0400	0.0350	35.0	0.275	0.240	
m-/p-Xylenes	4.92	0.0405	0.0350	21.4	0.176	0.152	

Sample Name	: 5ppbv TO15 LCS
Sample Info	: 50mL load; Can #000100; GCMSPrepPg800
Data File	: X1903146.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-08-24 22:16:30
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	4.78	0.0400	0.0350	20.8	0.174	0.152	
Styrene	4.99	0.0390	0.0350	21.3	0.166	0.149	
Bromoform	5.32	0.0402	0.0350	55.0	0.415	0.362	
1,1,2,2-Tetrachloroethane	4.68	0.0400	0.0350	32.1	0.275	0.240	
4-Ethyltoluene	5.20	0.0403	0.0350	25.6	0.198	0.172	
2-Chlorotoluene	4.75	0.0403	0.0350	24.6	0.209	0.181	
1,3,5-Trimethylbenzene	4.95	0.0401	0.0350	24.3	0.197	0.172	
1,2,4-Trimethylbenzene	5.14	0.0398	0.0350	25.3	0.195	0.172	
1,3-Dichlorobenzene	5.92	0.0404	0.0350	35.6	0.243	0.210	
1,4-Dichlorobenzene	6.13	0.0401	0.0350	36.8	0.241	0.210	
Benzyl chloride	5.85	0.0399	0.0350	30.3	0.207	0.181	
1,2-Dichlorobenzene	5.85	0.0408	0.0350	35.2	0.245	0.210	
1,2,4-Trichlorobenzene	6.61	0.0406	0.0350	49.1	0.301	0.260	
Hexachlorobutadiene	4.07	0.0401	0.0350	43.4	0.427	0.373	
Naphthalene	6.71	0.0414	0.0350	35.2	0.217	0.183	
1-Bromopropane	6.11	0.0395	0.0350	30.7	0.199	0.176	m
1-Octene	4.74	0.0391	0.0350	21.8	0.180	0.161	
n-Octane	4.82	0.0401	0.0350	22.5	0.187	0.164	
Isopropylbenzene	5.02	0.0406	0.0350	24.7	0.200	0.172	
n-Propylbenzene	4.93	0.0407	0.0350	24.2	0.200	0.172	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	676,312	11.93	5.00	PASS
1,4-Difluorobenzene (IS)	2,642,788	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,201,661	17.87	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Narrative Summary

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Enthalpy Analytical Narrative Summary

Company	Tetra Tech, Inc.
Job #	0819-068 - EPA Method 16 (Canister) Analysis
Client #	TT-D1-128

Custody

David Myers received the samples on 8/23/19 at ambient temperature after being relinquished by Tetra Tech, Inc. The samples were received in good condition.

Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.

Analysis

The samples were analyzed for hydrogen sulfide using the general analytical procedures in EPA Method 16.

The samples and standards were introduced directly to the column using an automated multi-port Valco gas sampling valve equipped with a stainless steel loop. Hydrogen sulfide was referenced to gas phase standards prepared using a certified permeation device.

Upon receipt, the canisters pressures were measured and recorded. The cans were then pressurized and a dilution ratio was calculated.

The Hewlett Packard Model 5890, Series II Gas Chromatograph "Zeppo" (S/N 3235A4448X) was equipped with a Flame Photometric Detector for these analyses.

Chromatographic Conditions

The acquisition methods (DUALFPD8_SHORT.M and DUALFPD8.M) are included in the Raw Data section of this report.

Calibration

The calibration curve is included in the Raw Data section of this report and referenced in the Analysis Method column on the Detailed Results page.

For each calibration curve used, the first page of the curve contains all method specific parameters (i.e., curve type, origin, weight, etc.) used to quantify the samples. The calibration curve section also includes a table with the Retention Time (RetTime), Level (Lvl), Amount (corresponding units), Area, Response Factor (Amt/Area) and the analyte Name. The calibration table is used to identify (by retention time) and quantify each target compound.

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Enthalpy Analytical Narrative Summary
(continued)

QC Notes

Hydrogen sulfide was not identified at a level greater than the MDL in the analysis of the laboratory zero air blank.

The analysis of a Laboratory Control Sample (***zeppo0463#LCS***), analyzed with the samples, exhibited a spike recovery value of 105%.

Reporting Notes

The results presented in this report are representative of the sample as provided to the laboratory.

Enthalpy Analytical Narrative Summary

Company	Tetra Tech, Inc.
Analyst	TDD
Parameters	EPA Method TO-15

Client #	Able Fire
Job #	0819-068
# Samples	4 Canisters

Custody

David Myers received the samples on 8/23/19 after being relinquished by Tetra Tech, Inc. The samples were received at ambient temperature and in good condition.

Prior to, during, and after analysis, the samples were kept under lock with access only to authorized personnel by Enthalpy Analytical, LLC.

Analysis

The samples were analyzed for the TO-15 target compound list using the analytical procedures in EPA Method TO-15, *Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)*.

Upon receipt, the canister pressures were measured and recorded. The canisters were then pressurized with UHP nitrogen and a dilution ratio was calculated for each canister. Refer to the Canister and Controller Data Sheet in the Lab QC section of this PDF report for sample pressurization factors.

All samples were analyzed undiluted.

The Agilent Technologies Model 6890N, Gas Chromatograph "Xavier" (S/N US10721018) equipped with a 5975C VL Mass Selective Detector (S/N US71215962) and a Restek Rtx-624 Sil MS, 60 m x 0.32 mm x 1.8 µm capillary column (S/N 1555499) for these analyses. All samples and standards were introduced directly to the analyzer using an Entech 7100A Preconcentrator.

Calibration

The BFB tune analyses associated with the initial and continuing calibrations met method acceptance criteria. The initial calibration ***(X082219A-TO15)*** met the 30% RSD criteria with allowed exceptions. The initial calibration verification met the 70-130% recovery criteria with the exception of 1,2,4-trichlorobenzene and naphthalene. The continuing calibration met the 30% difference criteria with the exception of 1,2,4-trichlorobenzene and naphthalene. Calibration data has not been provided in this level 2 report, however is available upon request.

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Enthalpy Analytical Narrative Summary
(continued)

Chromatographic Conditions

A copy of the acquisition method (***TO15-SCN2.M***) has not been included in this report but is available upon request.

QC Notes

All internal standard area responses and retention time criteria were met for these analyses.

The laboratory humid blank associated with the analysis of these samples did not contain any of the target analytes at a concentration greater than 3-times the MDL value.

The Laboratory Control Sample (LCS) met the 70-130% recovery criteria with allowed exceptions. Compounds that failed to meet the 70-130% recovery resulted in a high bias.

The Laboratory Duplicate (LD) analyzed with this sample set met 25% difference acceptance criteria for all compounds reported over the LOQ.

The samples were analyzed within the 30-day holding time required by the method.

Reporting Notes

These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

The results presented in this report are representative of the samples as provided to the laboratory.

General Reporting Notes

The following are general reporting notes that are applicable to all Enthalpy Analytical, LLC data reports, unless specifically noted otherwise.

- Any analysis which refers to the method as ***"Type"*** represents a planned deviation from the reference method. For instance a Hydrogen Sulfide assay from a Tedlar bag would be labeled as "EPA Method 16-Type" because Tedlar bags are not mentioned as one of the collection options in EPA Method 16.

- The acronym ***MDL*** represents the Minimum Detection Limit. Below this value the laboratory cannot determine the presence of the analyte of interest reliably.

- The acronym ***LOQ*** represents the Limit of Quantification. Below this value the laboratory cannot quantitate the analyte of interest within the criteria of the method.

- The acronym ***ND*** following a value indicates a non-detect or analytical result below the MDL.

- The letter ***J*** in the Qualifier or Flag column in the results indicates that the value is between the MDL and the LOQ. The laboratory can positively identify the analyte of interest as present, but the value should be considered an estimate.

- The letter ***E*** in the Qualifier or Flag column indicates an analytical result exceeding 100% of the highest calibration point. The associated value should be considered as an estimate.

- Sample results are presented 'as measured' for single injection methodologies, or an average value if multiple injections are made. If all injections are below the MDL, the sample is considered non-detect and the ND value is presented. If one, but not all, are below the MDL, the MDL value is used for any injections that are below the MDL. For example, if the MDL is 0.500 and LOQ is 1.00, and the instrument measures 0.355, 0.620, and 0.442 - the result reported is the average of 0.500, 0.620, and 0.500 - - - i.e. 0.540 with a J flag.

- When a spike recovery (Bag Spike, Collocated Spike Train, or liquid matrix spike) is being calculated, the native (unspiked) sample result is used in the calculations, as long as the value is above the MDL. If a sample is ND, then 0 is used as the native amount (not the MDL value).

- The acronym ***DF*** represents Dilution Factor. This number represents dilution of the sample during the preparation and/or analysis process. The analytical result taken from a laboratory instrument is multiplied by the DF to determine the final undiluted sample results.

- The addition of ***MS*** to the Sample ID represents a Matrix Spike. An aliquot of an actual sample is spiked with a known amount of analyte so that a percent recovery value can be determined. The MS analysis indicates what effect the sample matrix may have on the target analyte, i.e. whether or not anything in the sample matrix interferes with the analysis of the analyte(s).

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General Reporting Notes
(continued)

- The addition of ***MSD*** to the Sample ID represents a Matrix Spike Duplicate. Prepared in the same manner as a MS, the use of duplicate matrix spikes allows further confirmation of laboratory quality by showing the consistency of results gained by performing the same steps multiple times.

- The addition of ***LD*** to the Sample ID represents a Laboratory Duplicate. The analyst prepares an additional aliquot of sample for testing and the results of the duplicate analysis are compared to the initial result. The result should have a difference value of within 10% of the initial result (if the results of the original analysis are greater than the LOQ).

- The addition of ***AD*** to the Sample ID represents an Alternate Dilution. The analyst prepares an additional aliquot at a different dilution factor (usually double the initial factor). This analysis helps confirm that no additional compound is present and coeluting or sharing absorbance with the analyte of interest, as they would have a different response/absorbance than the analyte of interest.

- The Sample ID ***LCS*** represents a Laboratory Control Sample. Clean matrix, similar to the client sample matrix, prepared and analyzed by the laboratory using the same reagents, spiking standards and procedures used for the client samples. The LCS is used to assess the control of the laboratory's analytical system. Whenever spikes are prepared for our client projects, two spikes are retained as LCSs. The LCSs are labeled with the associated project number and kept in-house at the appropriate temperature conditions. When the project samples are received for analysis, the LCSs are analyzed to confirm that the analyte could be recovered from the media, separate from the samples which were used on the project and which may have been affected by source matrix, sample collection, and/or sample transport.

- **Significant Figures**: Where the reported value is much greater than unity (1.00) in the units expressed, the number is rounded to a whole number of units, rather than to 3 significant figures. For example, a value of 10,456.45 ug catch is rounded to 10,456 ug. There are five significant digits displayed, but no confidence should be placed on more than two significant digits. In the case of small numbers, generally 3 significant figures are presented, but still only 2 should be used with confidence. Many neat materials are only certified to 3 digits, and as the mathematically correct final result is always 1 digit less than all its pre-cursors - 2 significant figures are what are most defensible.

- **Manual Integration**: The data systems used for processing will flag manually integrated peaks with an "M". There are several reasons a peak may be manually integrated. These reasons will be identified by the following two letter designations on sample chromatograms, if provided in the report. The peak was ***not integrated*** by the software **"NI"**, the peak was ***integrated incorrectly*** by the software **"II"** or the ***wrong peak*** was integrated by the software **"WP"**. These codes will accompany the analyst's manual integration stamp placed next to the compound name on the chromatogram.

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Sample Custody

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Chain of Custody Record

Page 1 of 1

Special Handling:
- ☐ Standard Turn Around Time
- ☑ Rush Turn Around Time -- Date Needed ASAP
- All TATs Subject to Approval by Enthalpy Analytical
- All Bag/Can Samples Disposed of 1 Month from Receipt.
- All Other Samples Disposed of 4 Months from Receipt.

Sample(s) Collected by: Chas Jones
Client Name: Tetra Tech
Project Manager: Chas Jones

Project Number: TT-D1-128
Site Name: Ridgeland SC
Location: Able Fire

PO#:
Telephone#:
Email:

For spiked or duplicate samples: please provide sample volumes for recovery calculations. For Particulates: please provide tare weights and/or condensed water volumes.

Special Instructions:

A=Air 1=H2SO4 2=NaOH W=Water O=Other
X=XAD C=Charcoal SG=Silica Gel
G=Grab C=Composite Q=Quality Control O=Other

	Sample ID	Date	Time	Sample Volume	Type	Matrix	# of VOA Vials	# of Glass	# of Plastic	# of Bags	# of Canisters	# of Tubes	# Other	VOCs	H2S	HCN						Notes:
1	ACF-AS-RES-2-24HR-082119	8/21/19	1120	6L	G	A					1			✓	✓	✓						Can ID#: 0807 ~~0811~~ DSM 8-23-19
2	ACF-AS-RES-1-24HR-082119	8/21/19	1130	6L	G	A					1			✓	✓	✓						0811
3	ACF-AS-PAM1-082119	8/21/19	0930	6L	G	A					1			✓	✓	✓						0826
4	ACF-AS PAM2-082119	8/21/19	0957	6L	G	A					1			✓	✓	✓						0762

Relinquished By:	Date:	Received By:	Date:	Time:	Sample Condition Upon Receipt:
[signature]	8/22/19	[signature]	8-23-19	9:42AM	☐ Iced ☐ Ambient ☐ °C
					☐ Iced ☐ Ambient ☐ °C
					☐ Iced ☐ Ambient ☐ °C

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EAN Job #: 0819-068 Page 33 of 98

Good Condition Ambient Temp DSM 8-23-19

Raw Data

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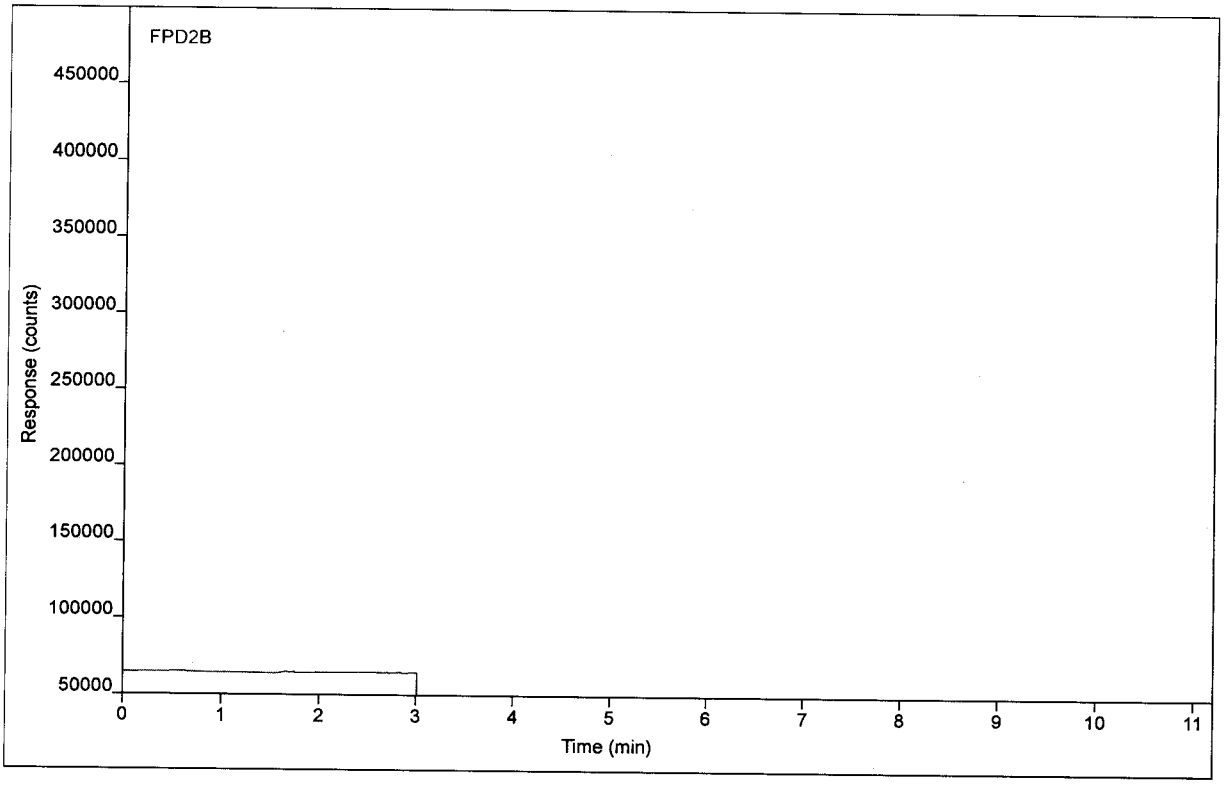
Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0807.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1001.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:19 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



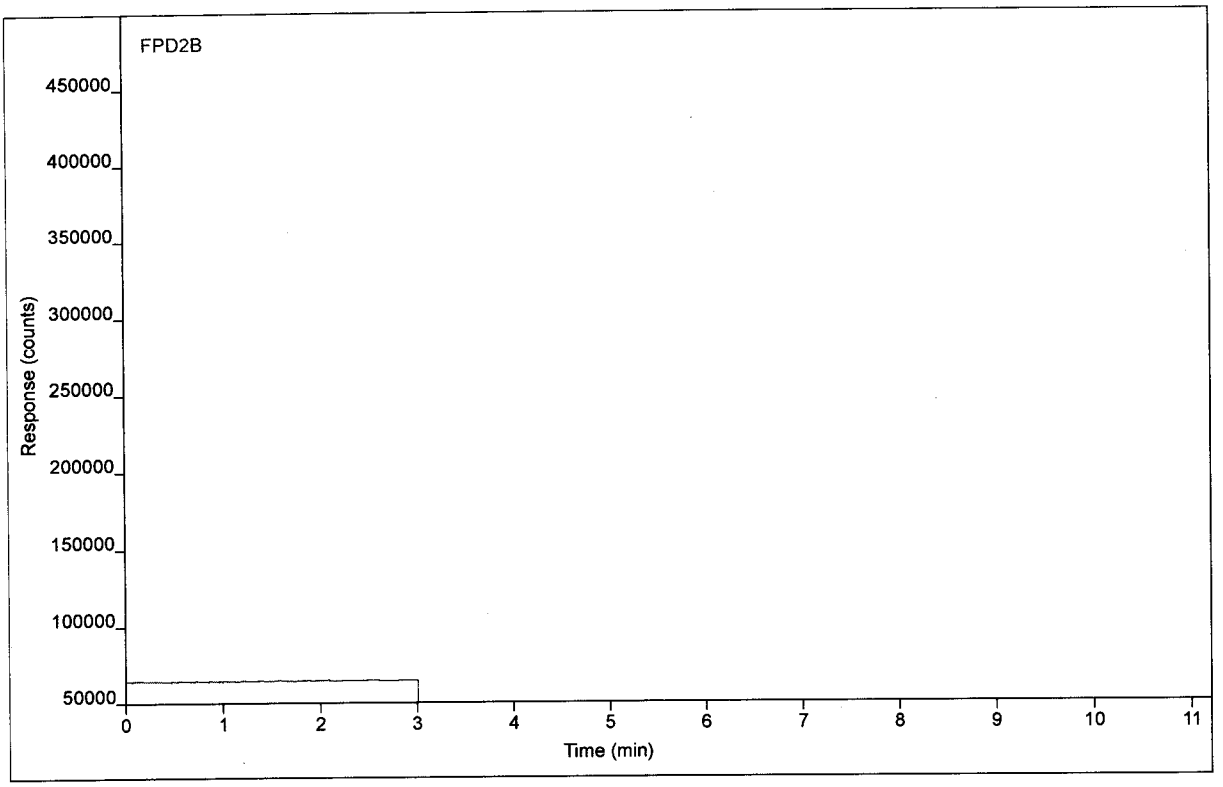
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0807.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1002.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:24 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



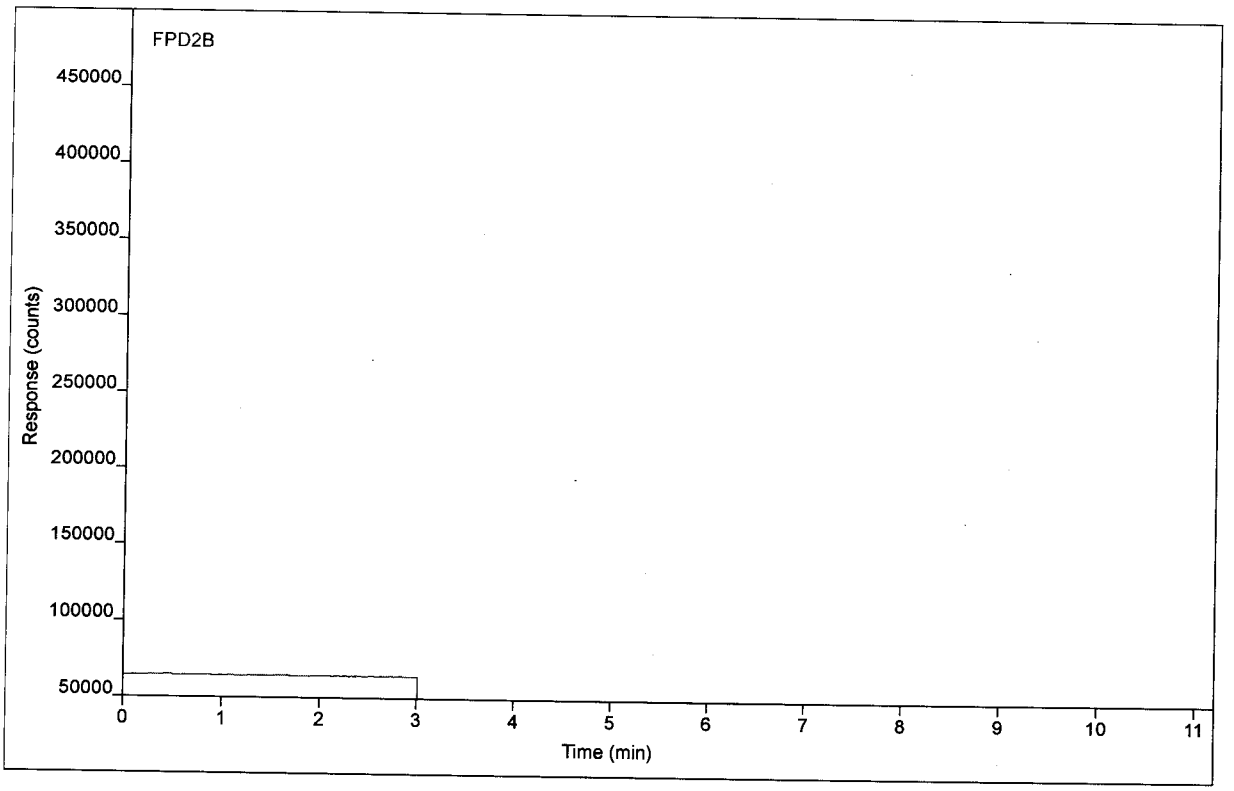
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0807.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1003.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:28 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



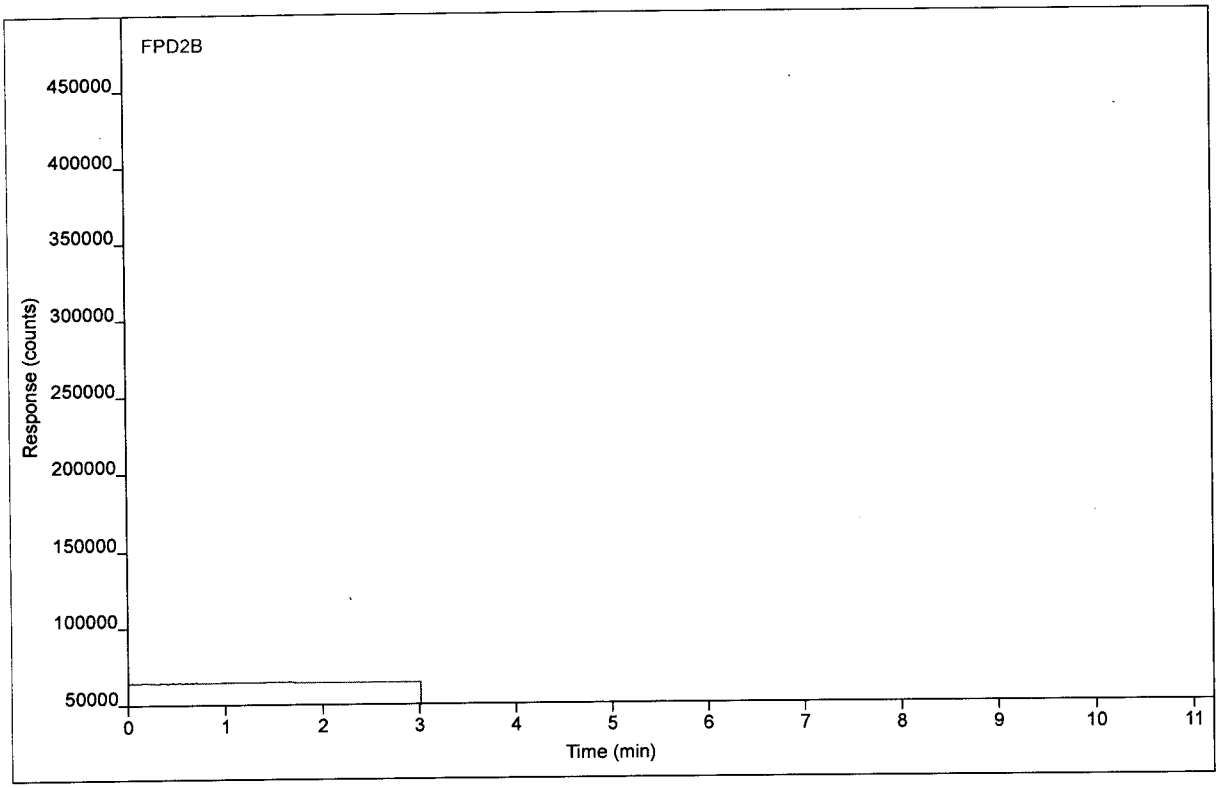
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0811.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1201.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 2:40 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



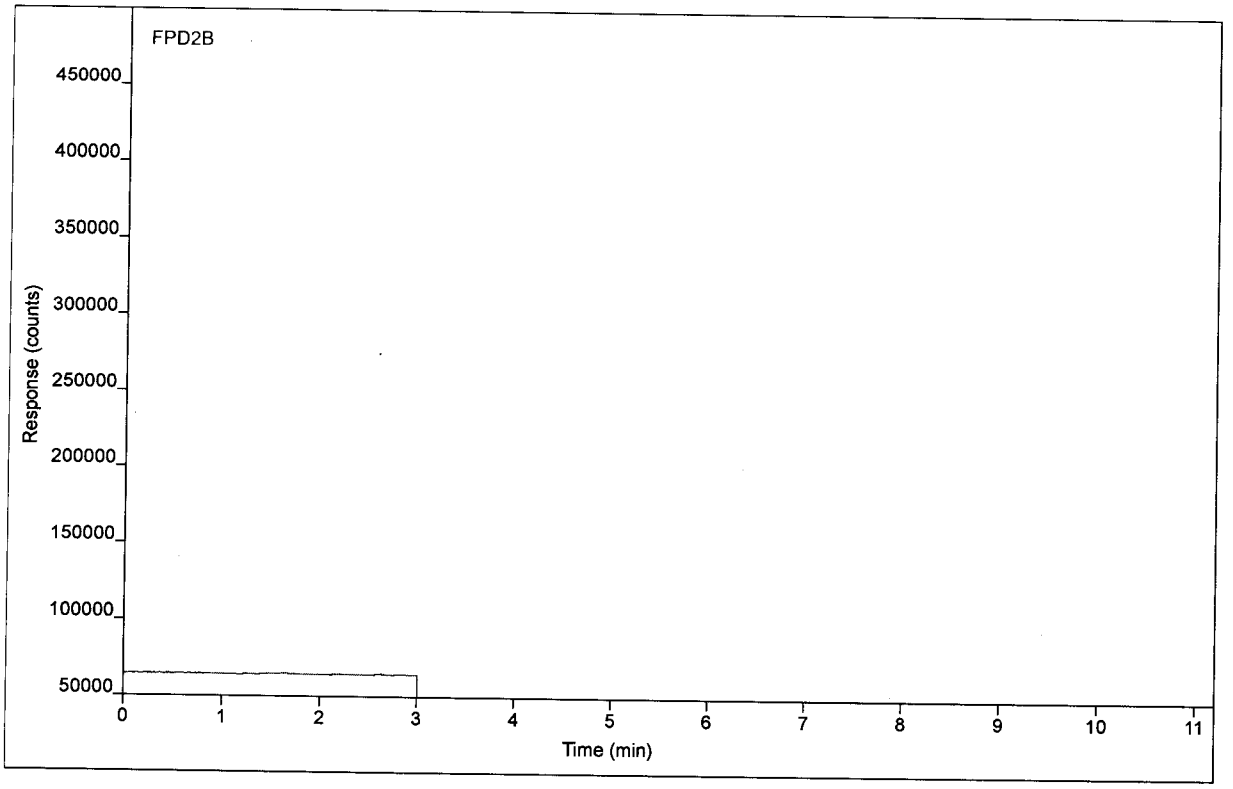
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0811.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1202.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 2:44 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



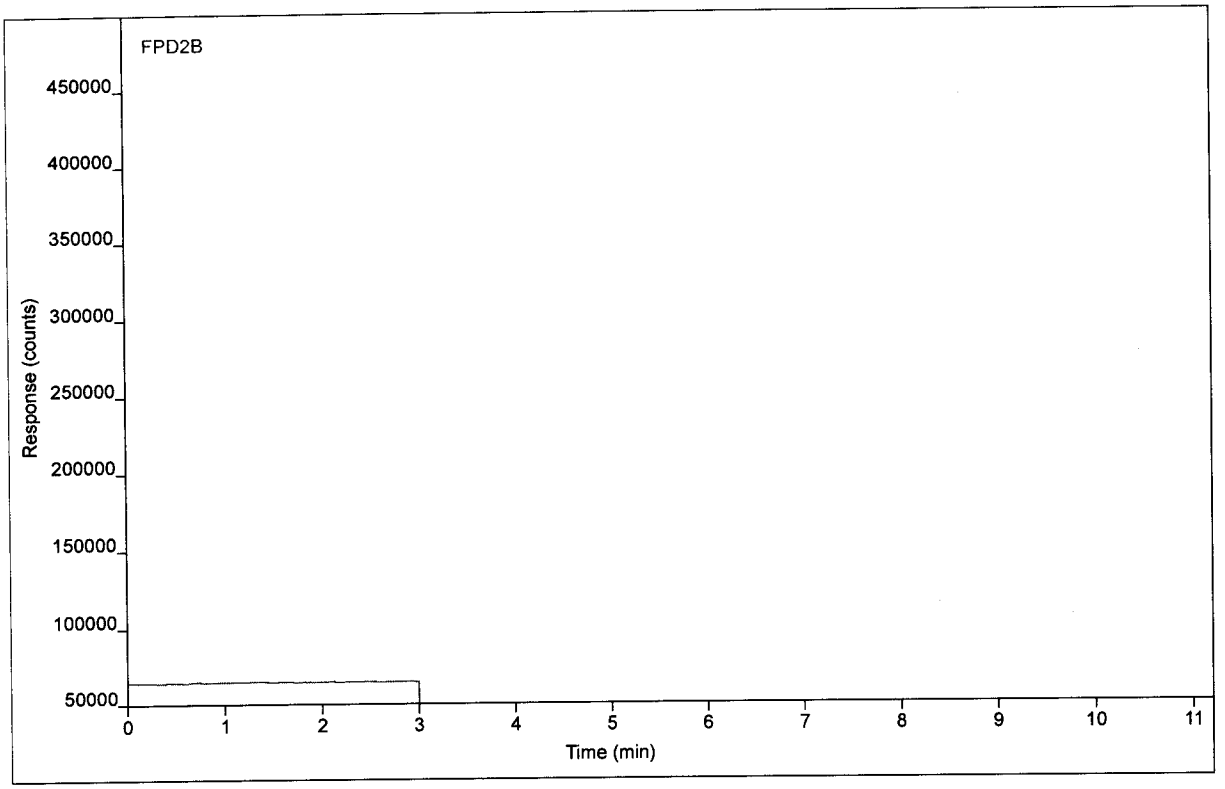
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0811.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1203.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 2:49 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



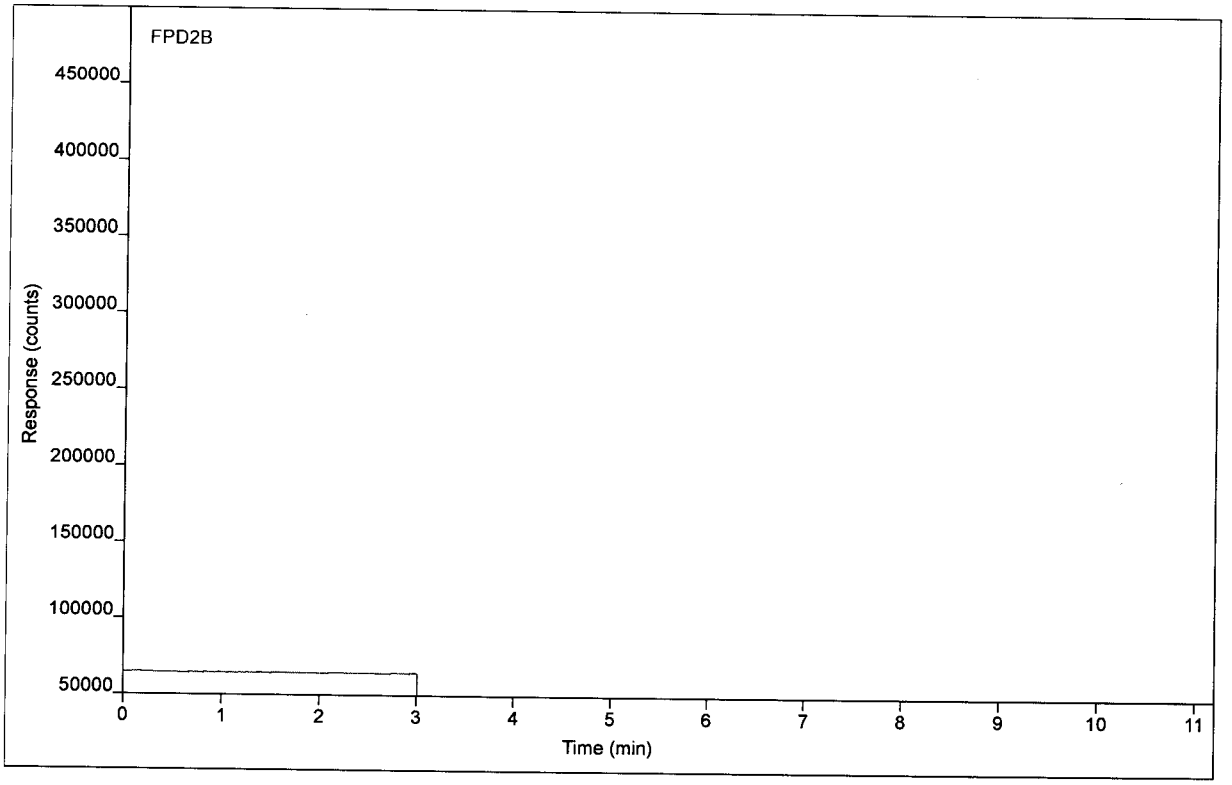
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0826.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1101.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:33 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



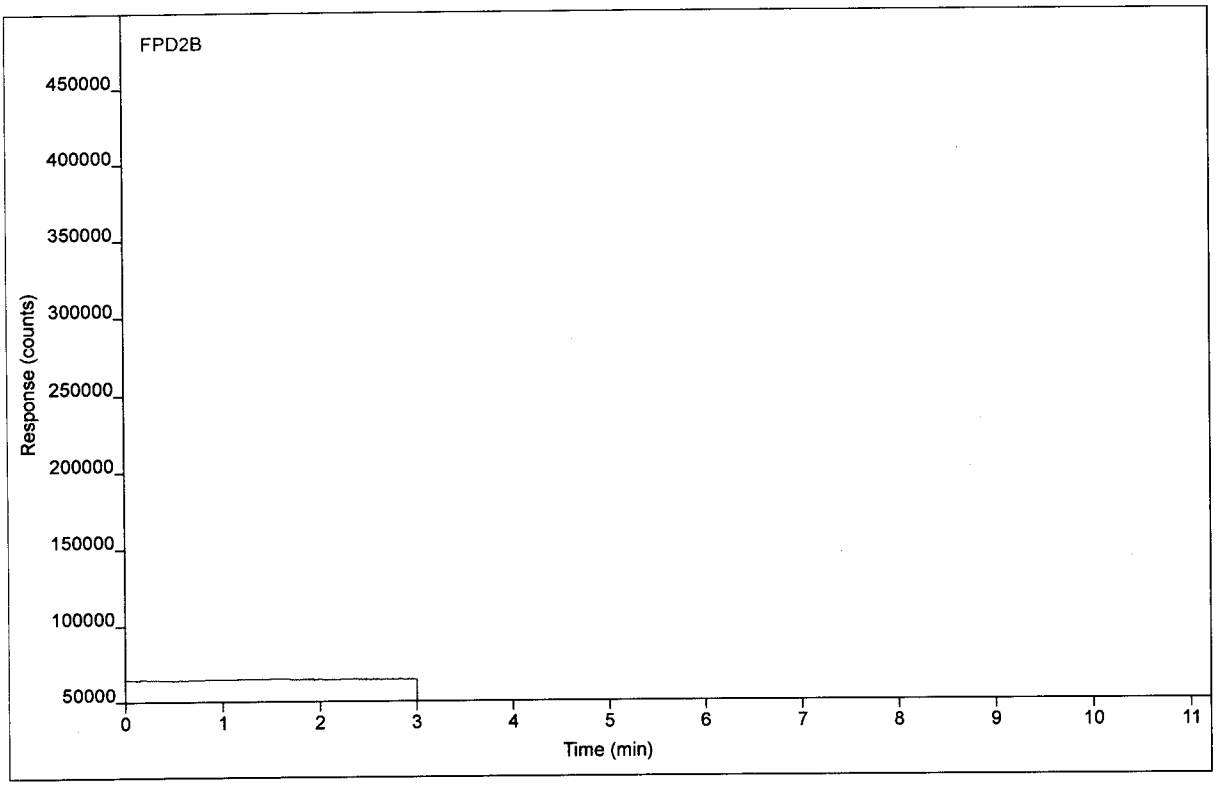
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0826.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1102.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:37 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



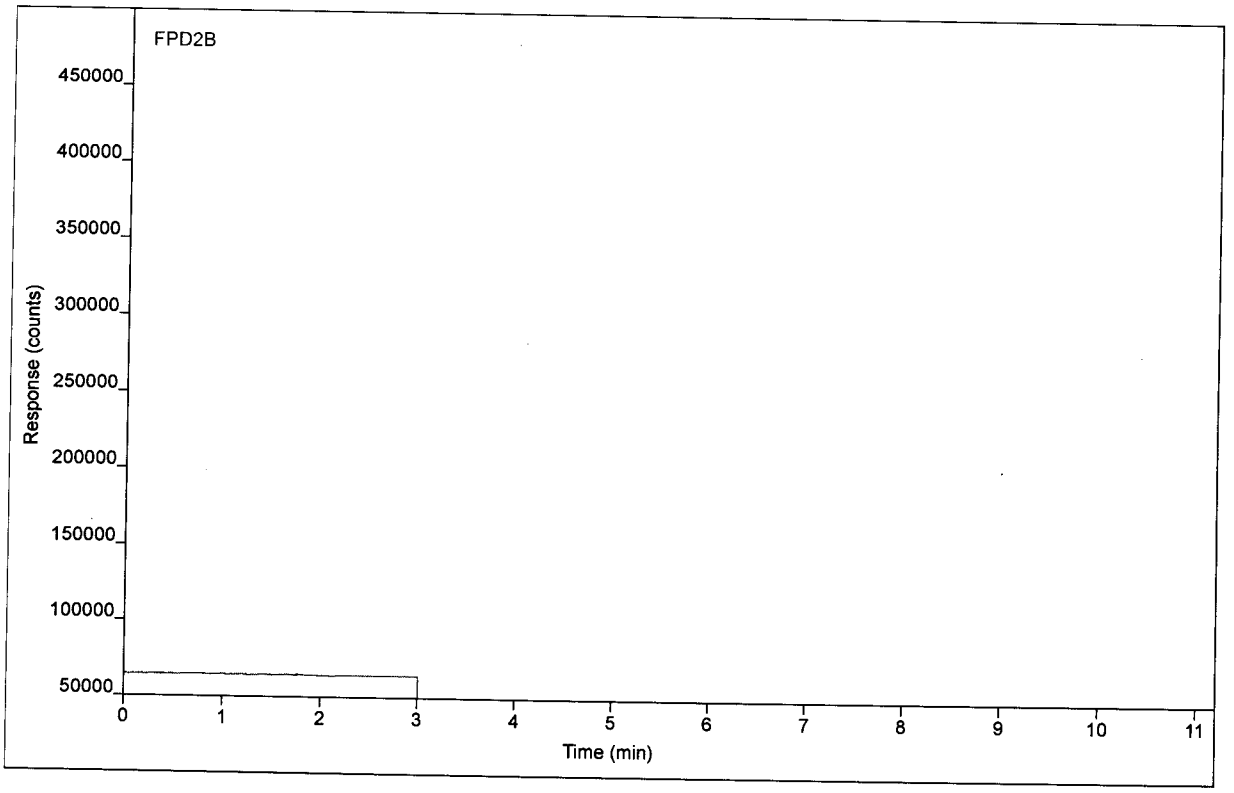
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0826.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1103.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:42 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



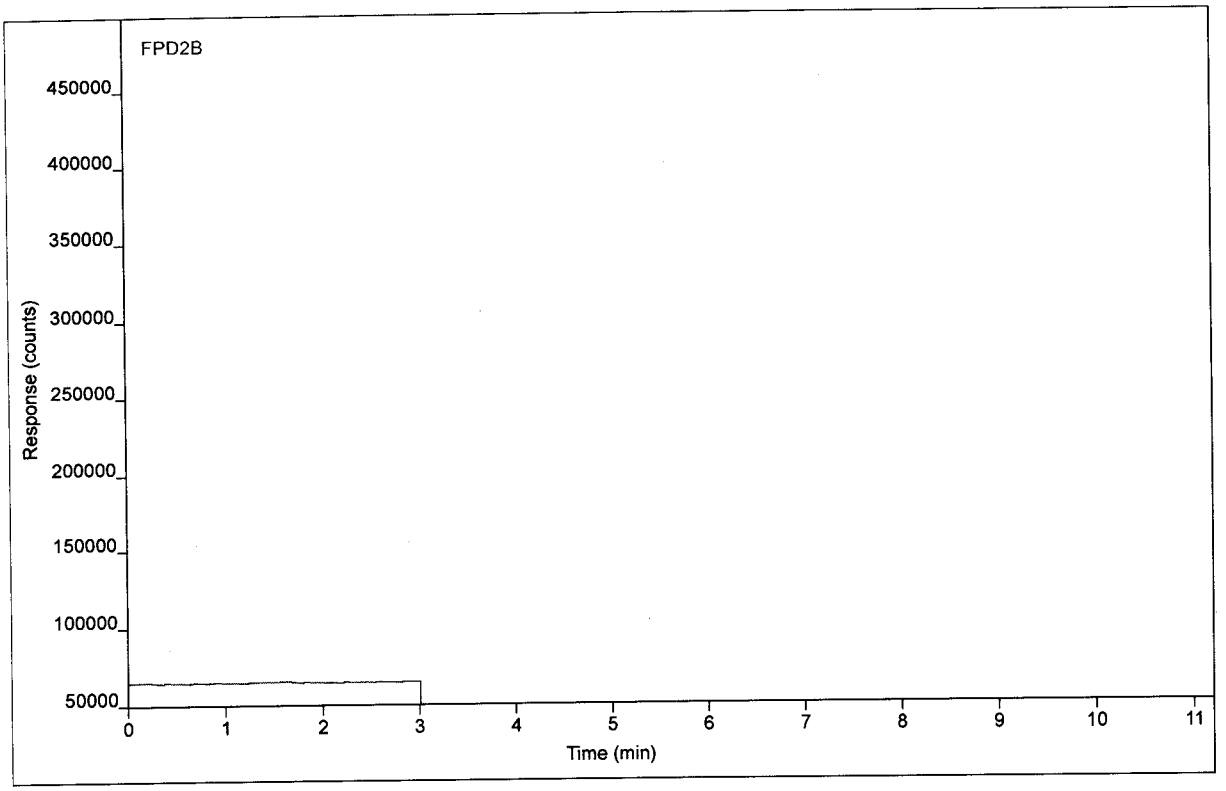
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0762.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0901.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:04 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



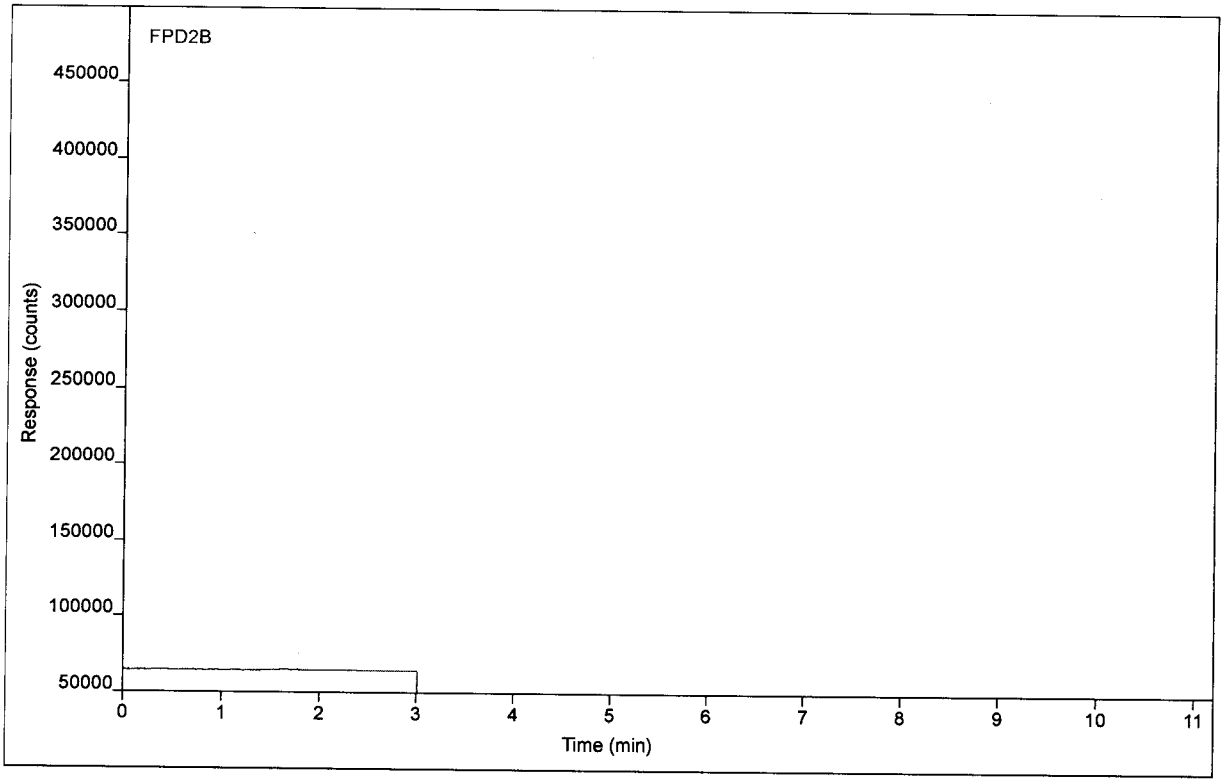
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0762.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0902.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:09 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



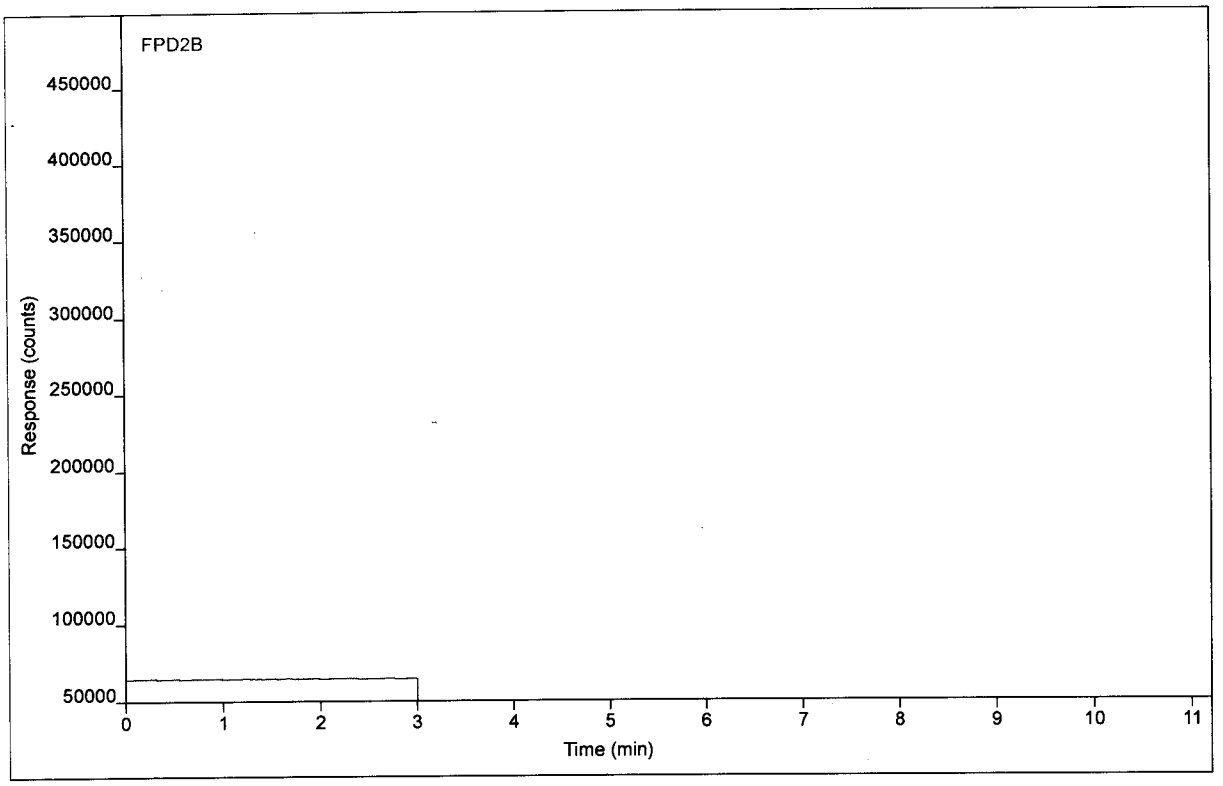
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	0819-068.Can 0762.Can
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0903.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 1:13 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 3
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



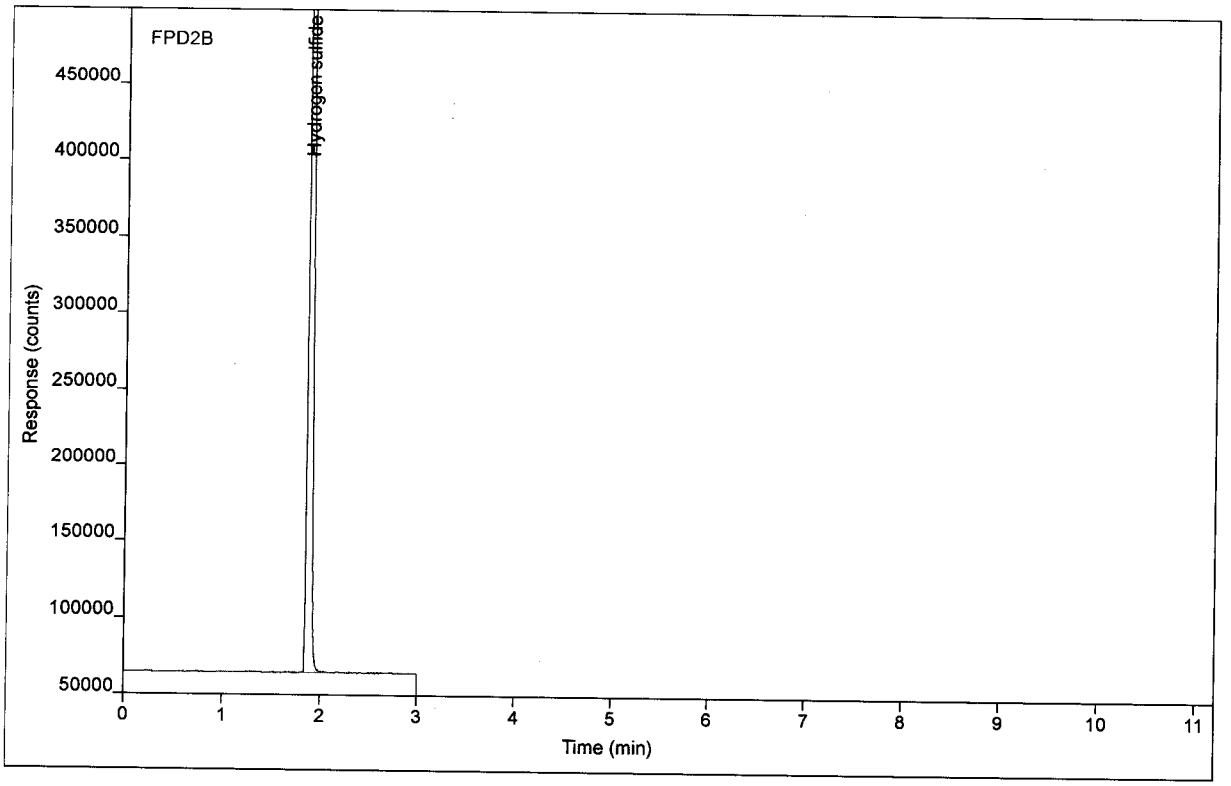
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0463 #LCS
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0602.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 7:39 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



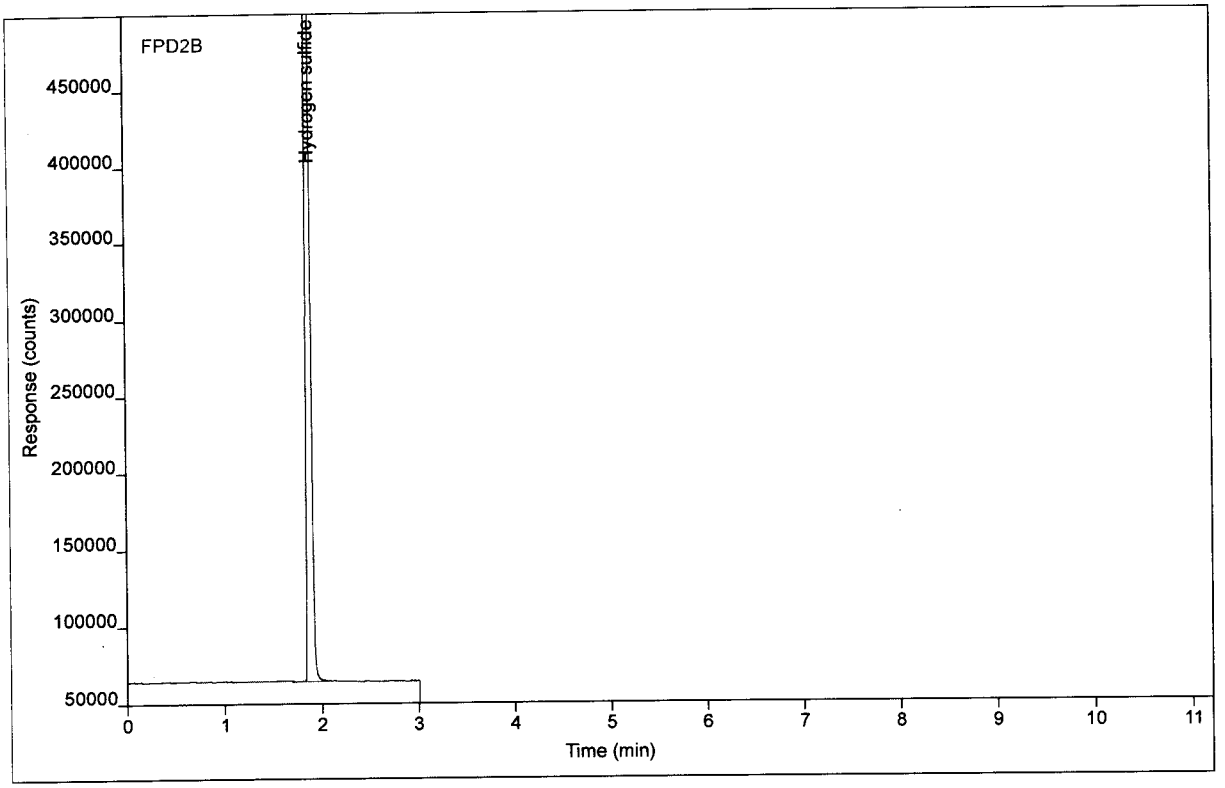
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	2005058	673093	7.23755	1	7.23755	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0463 #LCS
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0603.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 7:43 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



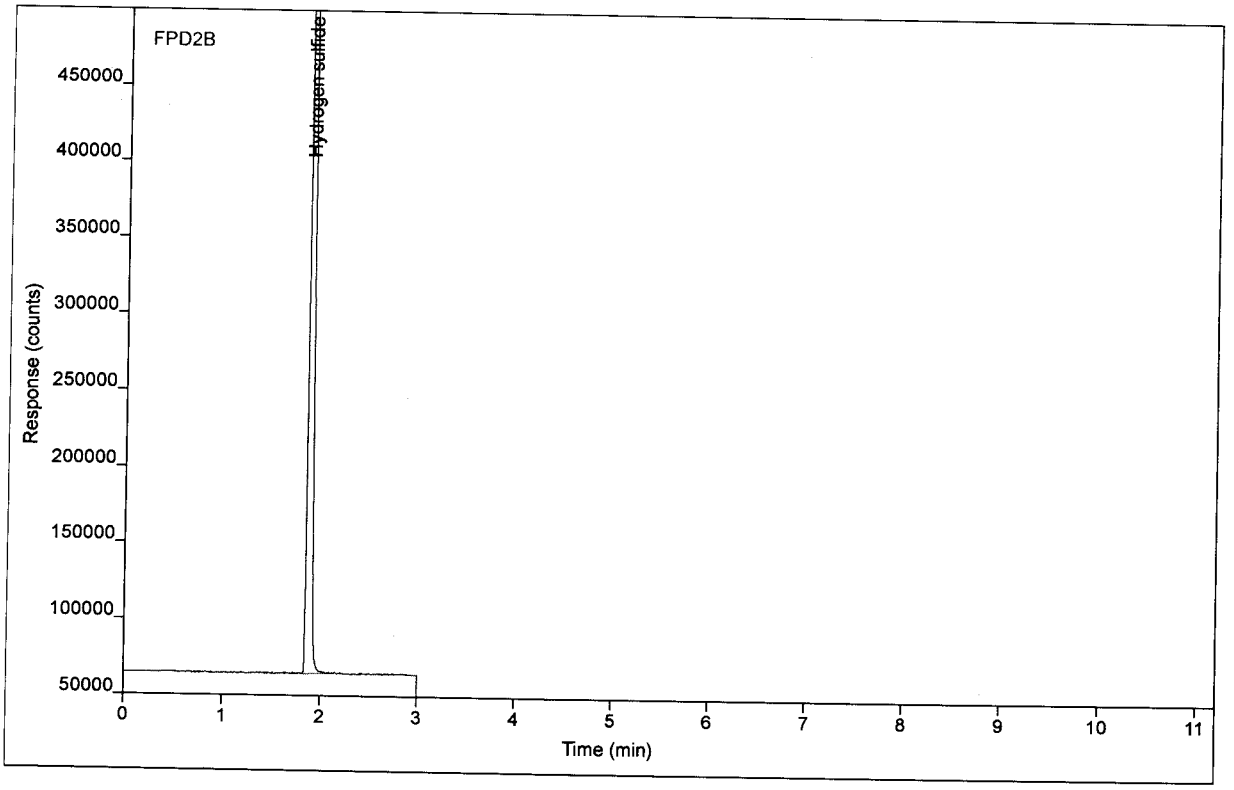
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	2036929	695026	7.29369	1	7.29369	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0463 #LCS
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0604.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 7:48 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	4 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



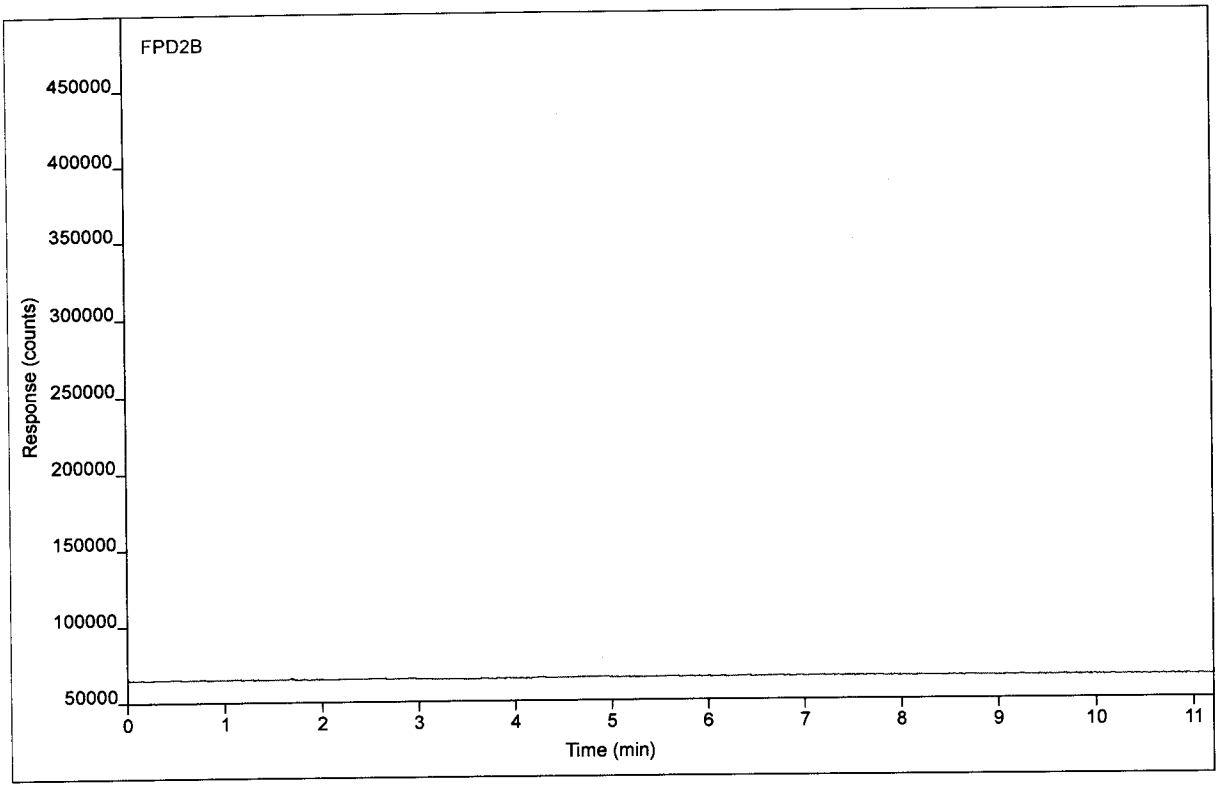
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	2066153	705261	7.34478	1	7.34478	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0204 #MB
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0701.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 7:52 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Control
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 3
Acquisition Method	DUALFPD8.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



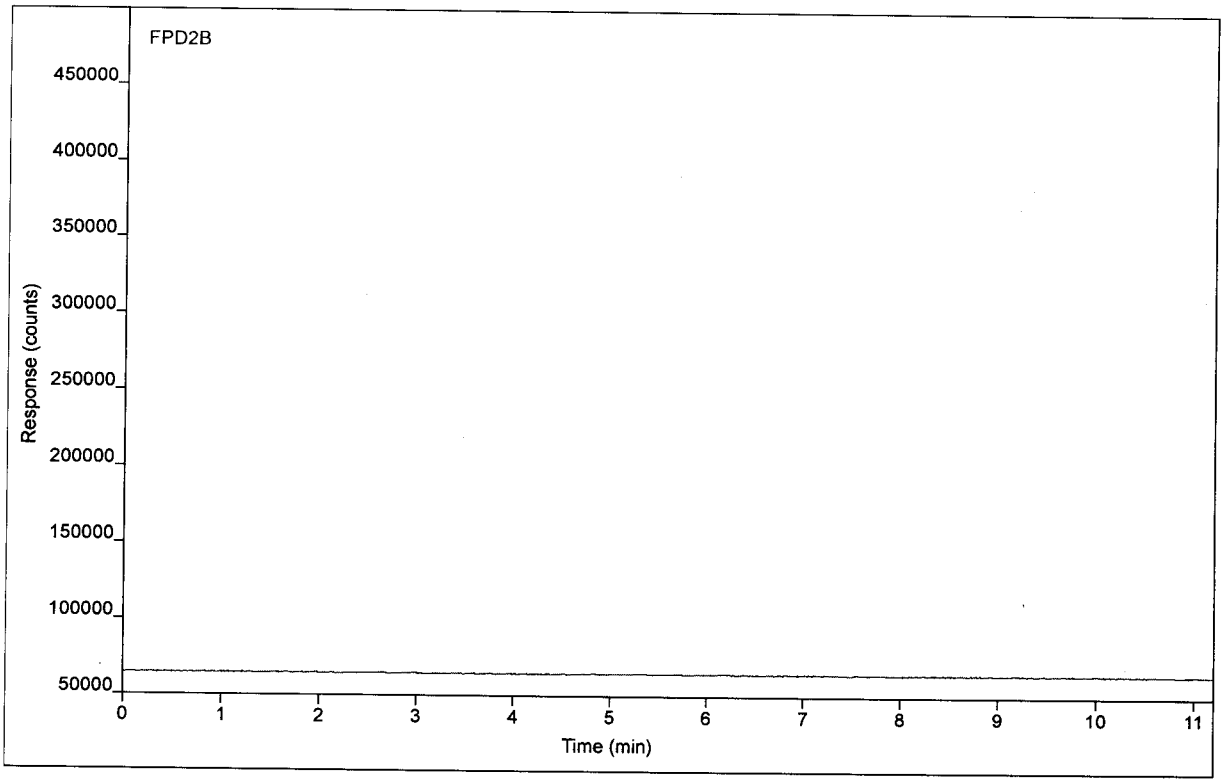
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0204 #MB
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0702.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 8:08 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Control
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 3
Acquisition Method	DUALFPD8.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



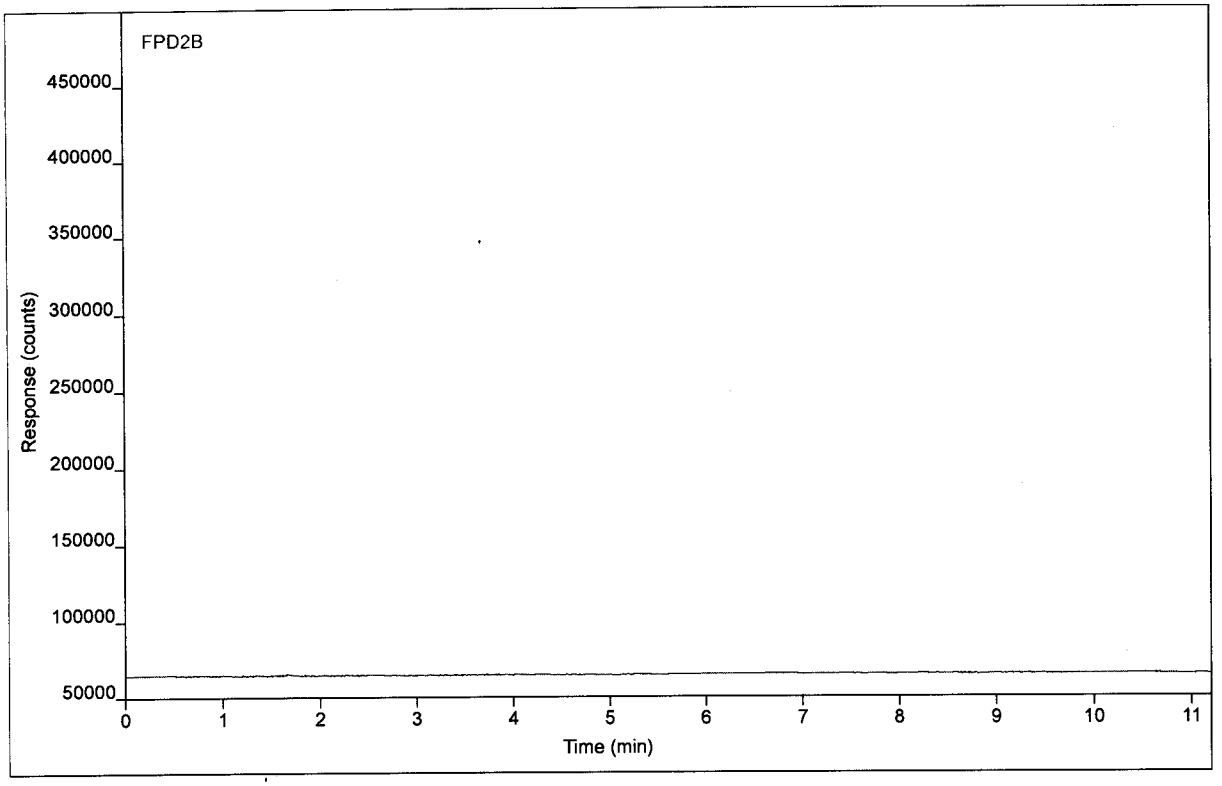
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0204 #MB
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0703.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 8:24 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Control
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 3
Acquisition Method	DUALFPD8.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Calibration Table

Calib. Data Modified : Tuesday, August 13, 2019 9:57:36 AM

Rel. Reference Window : 2.500 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : using compound Hydrogen sulfide
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Power
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: FPD2 B,

RetTime [min]	Sig	Lvl	Amount [ppmv]	Area	Amt/Area	Ref	Grp	Name
1.885	1	1	6.42727e-1	1.45605e4	4.41418e-5			Hydrogen sulfide
		2	1.76750	1.09623e5	1.61234e-5			
		3	7.07000	1.93509e6	3.65358e-6			

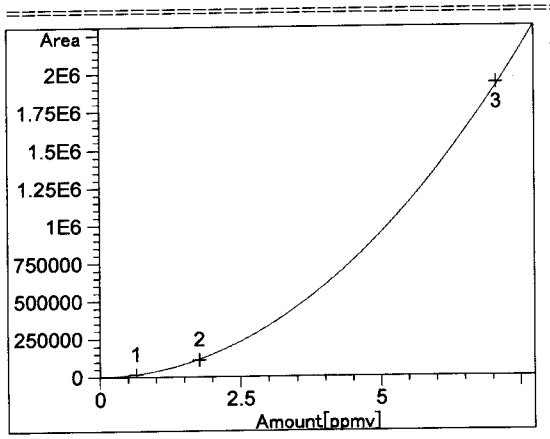
More compound-specific settings:

Compound: Hydrogen sulfide
Time Window : From 1.659 min To 2.002 min

Peak Sum Table

Name	StartTime [min]	EndTime [min]	Use Reference	Response factor	Multiplier	ISTD Peak
Total Redu	2.700	12.000	Hydrogen S	0.0000	1.432e-6	None

Calibration Curves



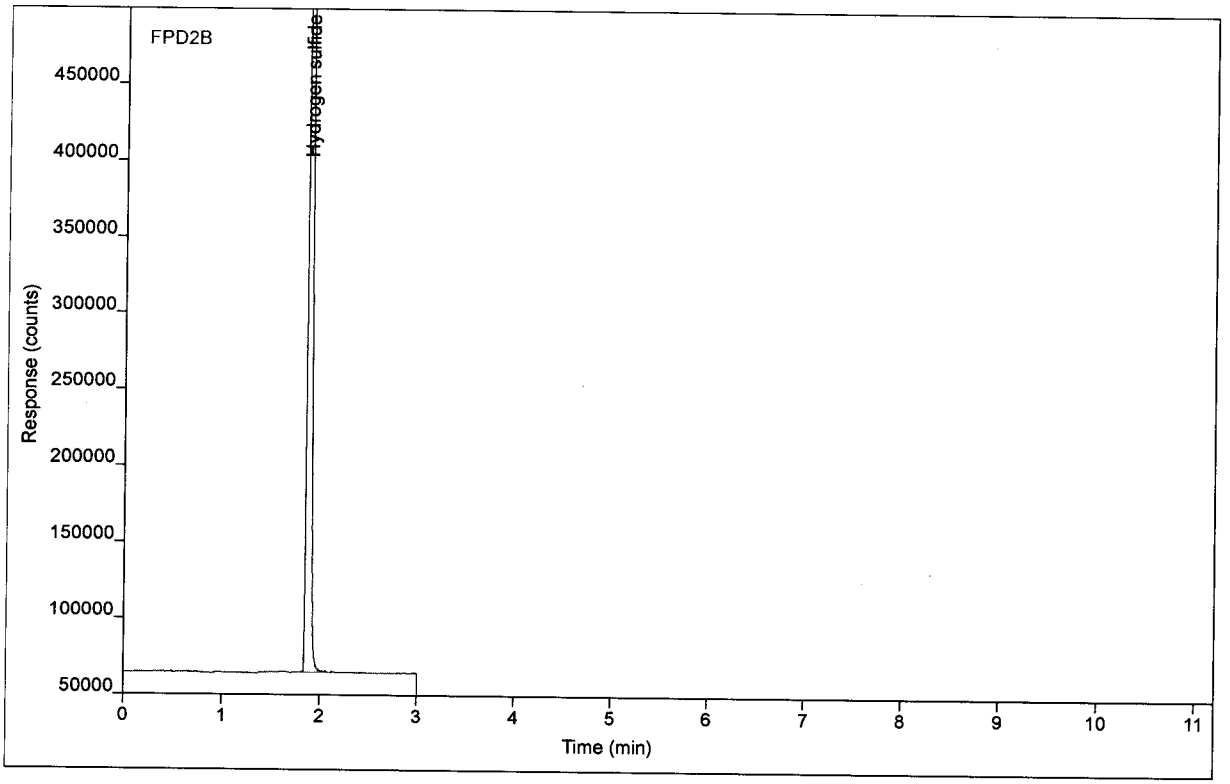
Hydrogen sulfide at exp. RT: 1.885
FPD2 B,
Correlation: 1.00000
Residual Std. Dev.: 23850.62698
Formula: y = b * x^m
m: 2.04102
b: 35292.75786
x: Amount
y: Area

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0102.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:02 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



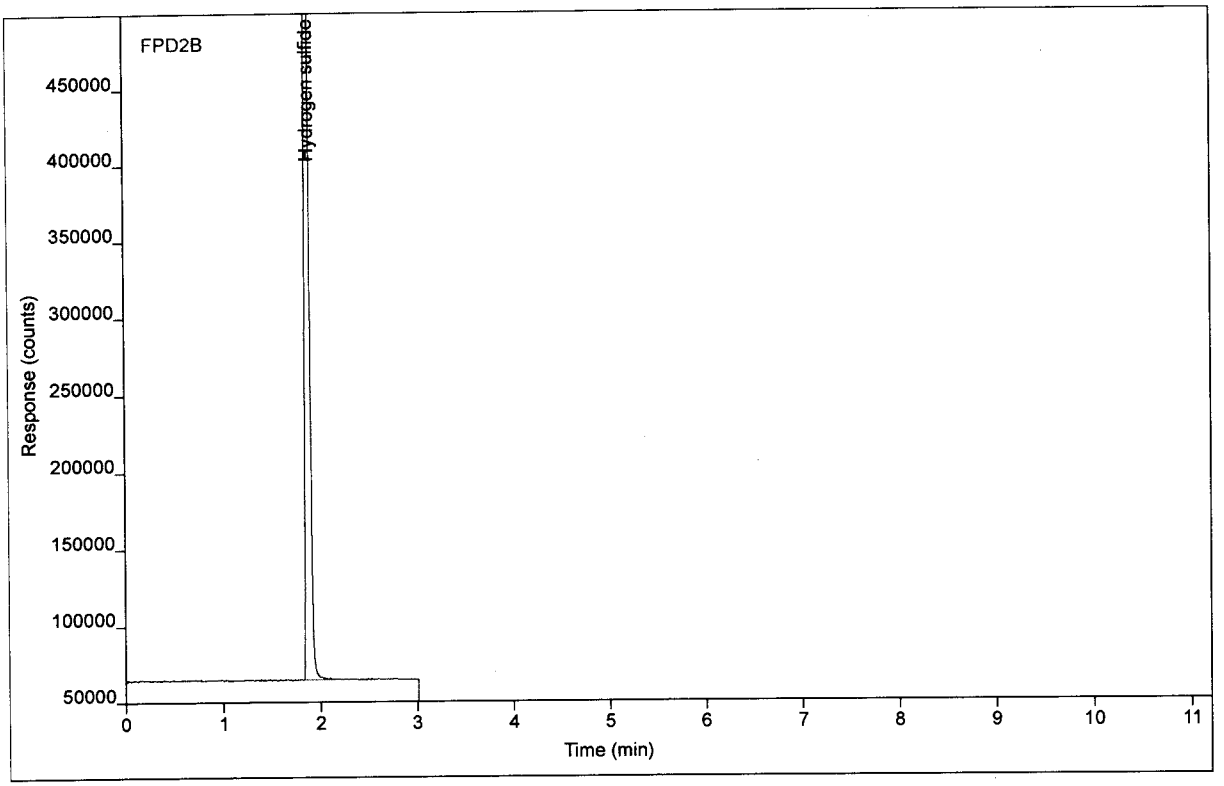
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1916280	631350	7.07873	1	7.07873	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0103.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:06 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



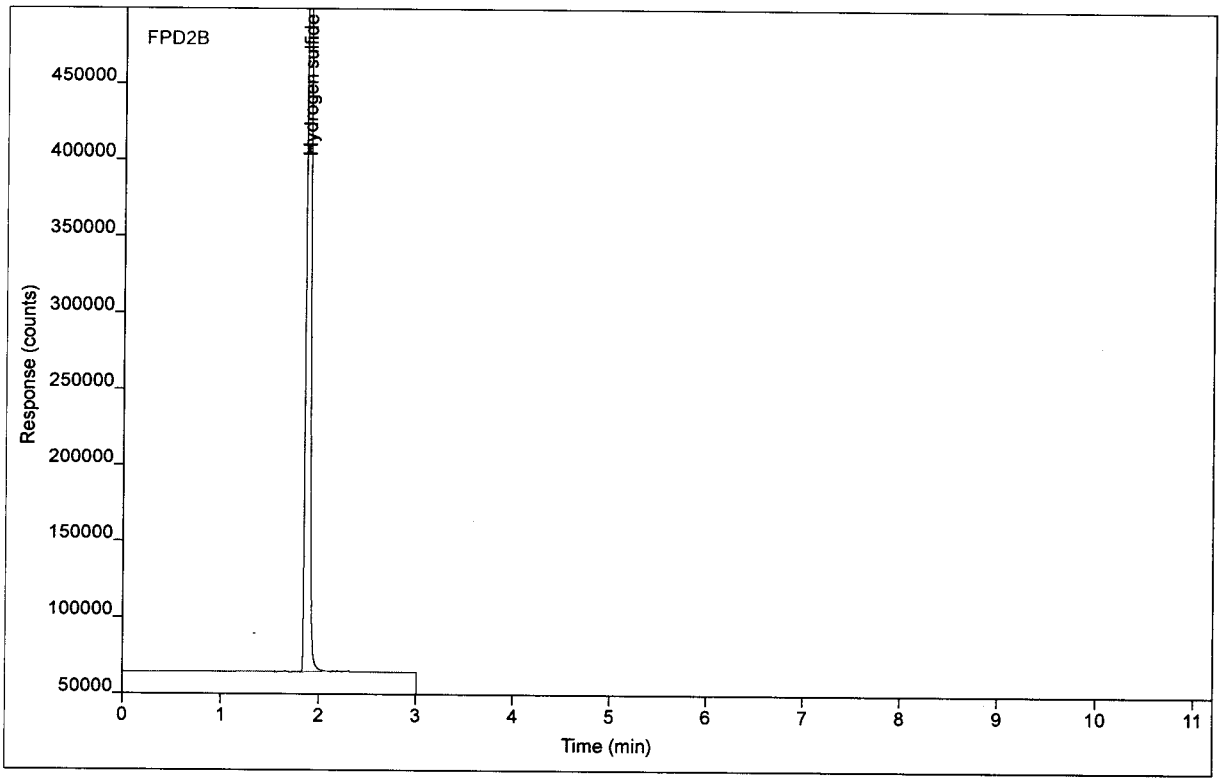
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1947751	643281	7.13546	1	7.13546	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0104.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:11 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	4 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



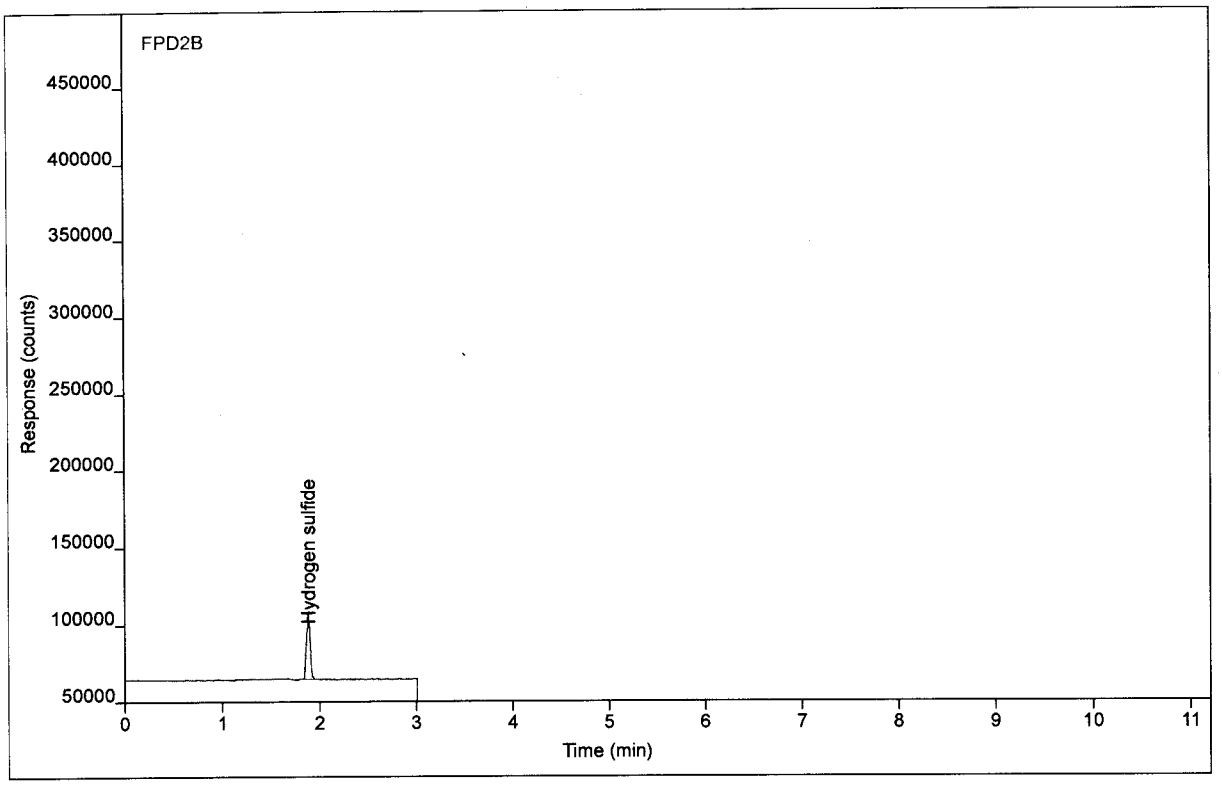
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1941229	653054	7.12374	1	7.12374	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0202.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:20 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



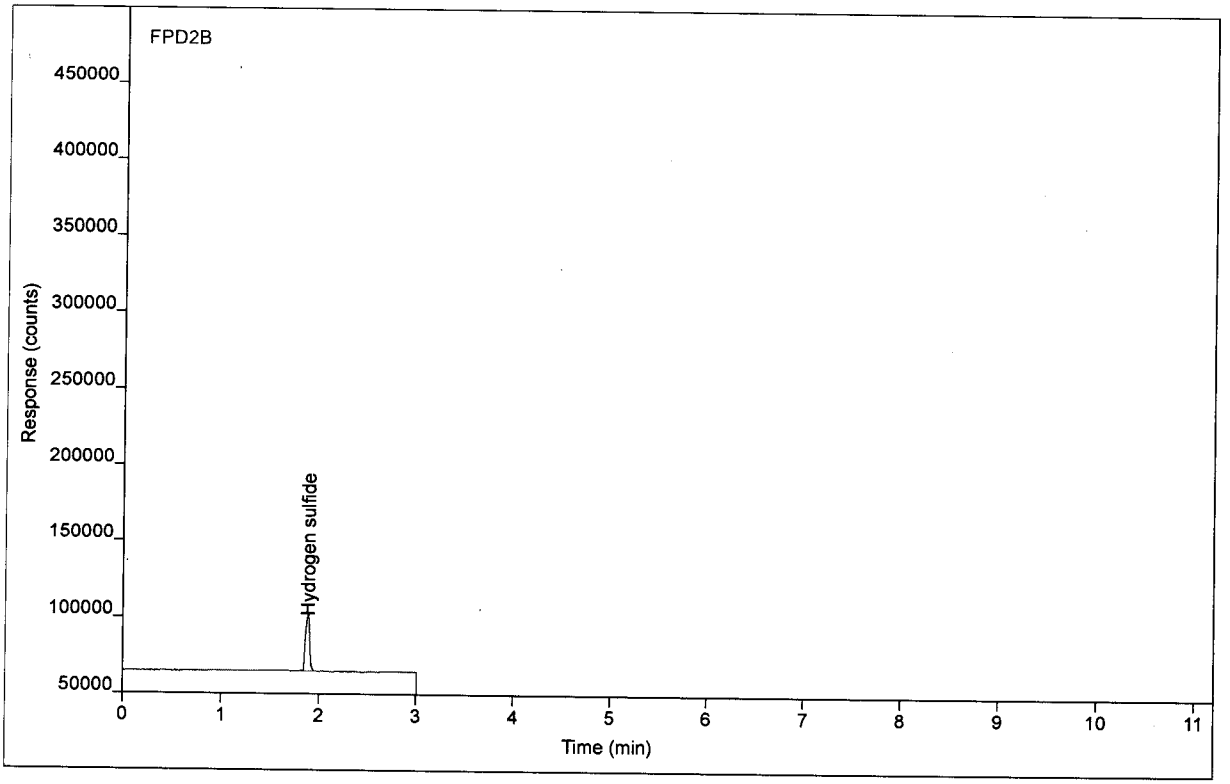
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	109896	36115.3	1.74458	1	1.74458	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0203.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:24 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



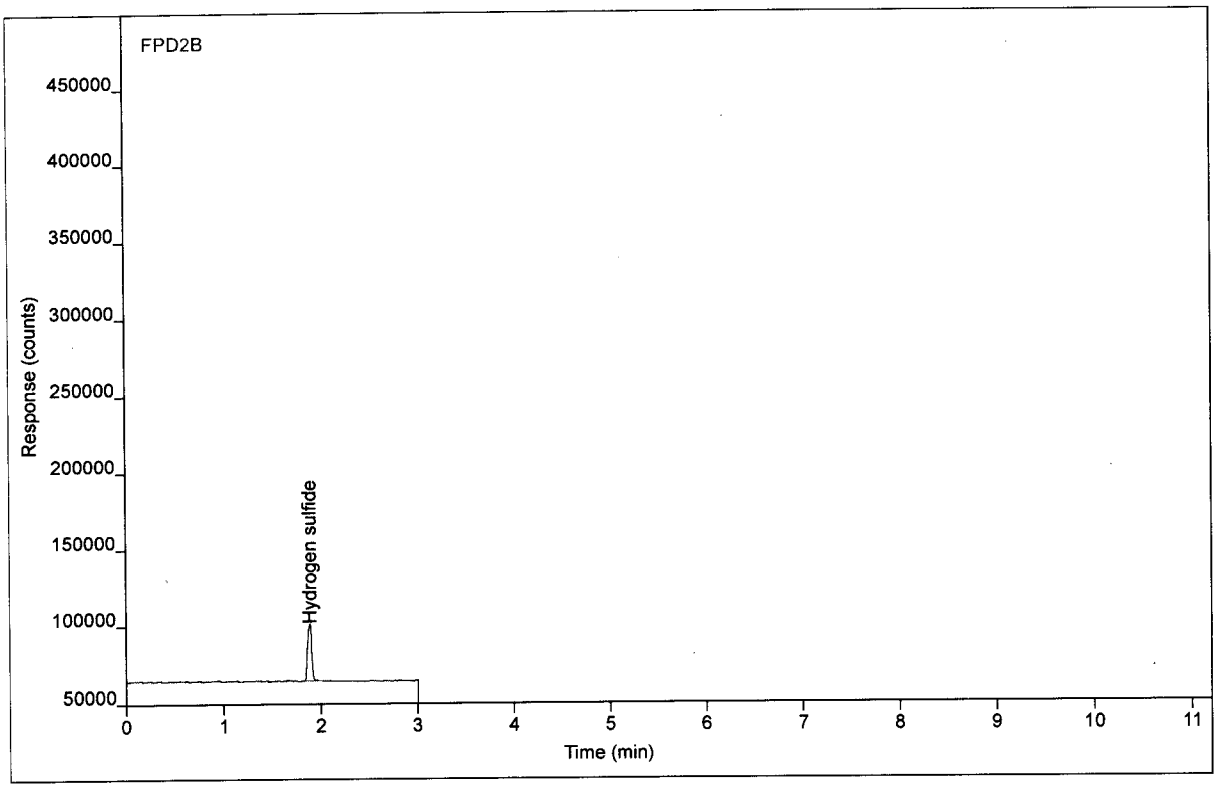
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	109990	35619.8	1.74531	1	1.74531	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0204.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:29 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	4 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



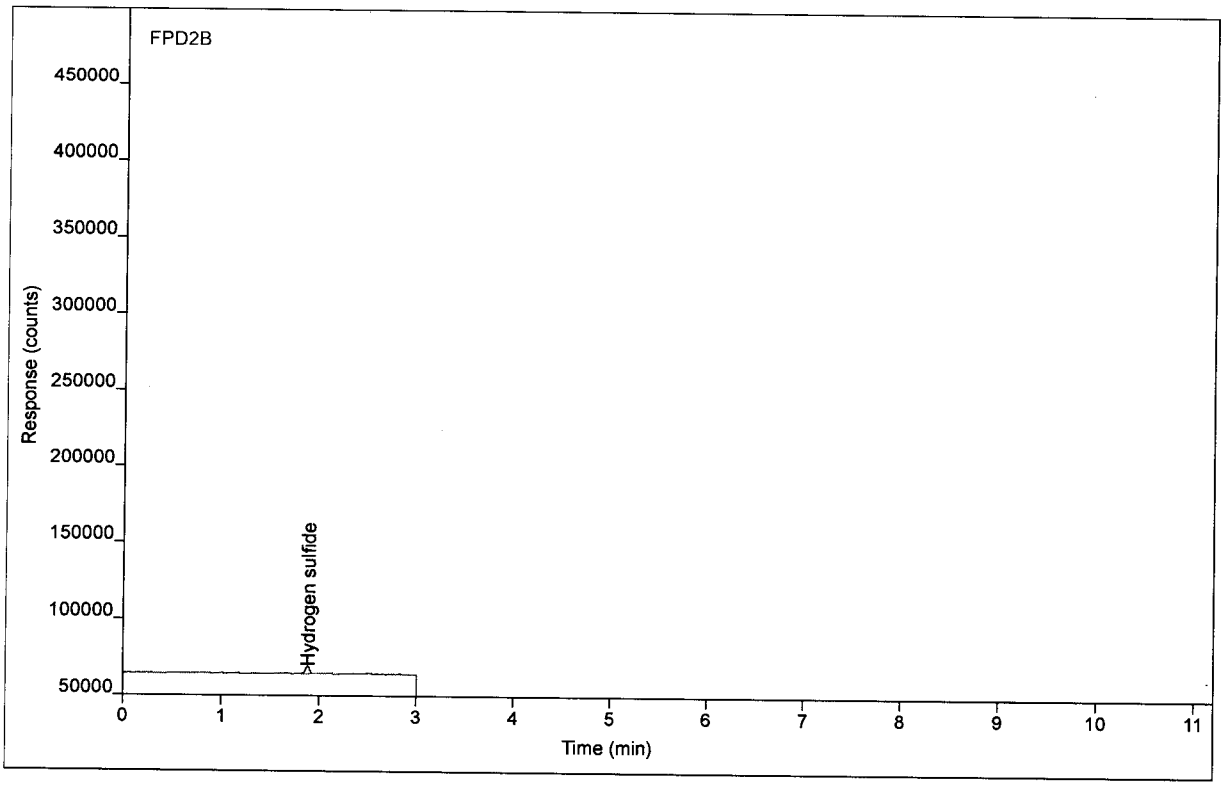
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	108984	35603.3	1.73747	1	1.73747	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0302.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:37 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



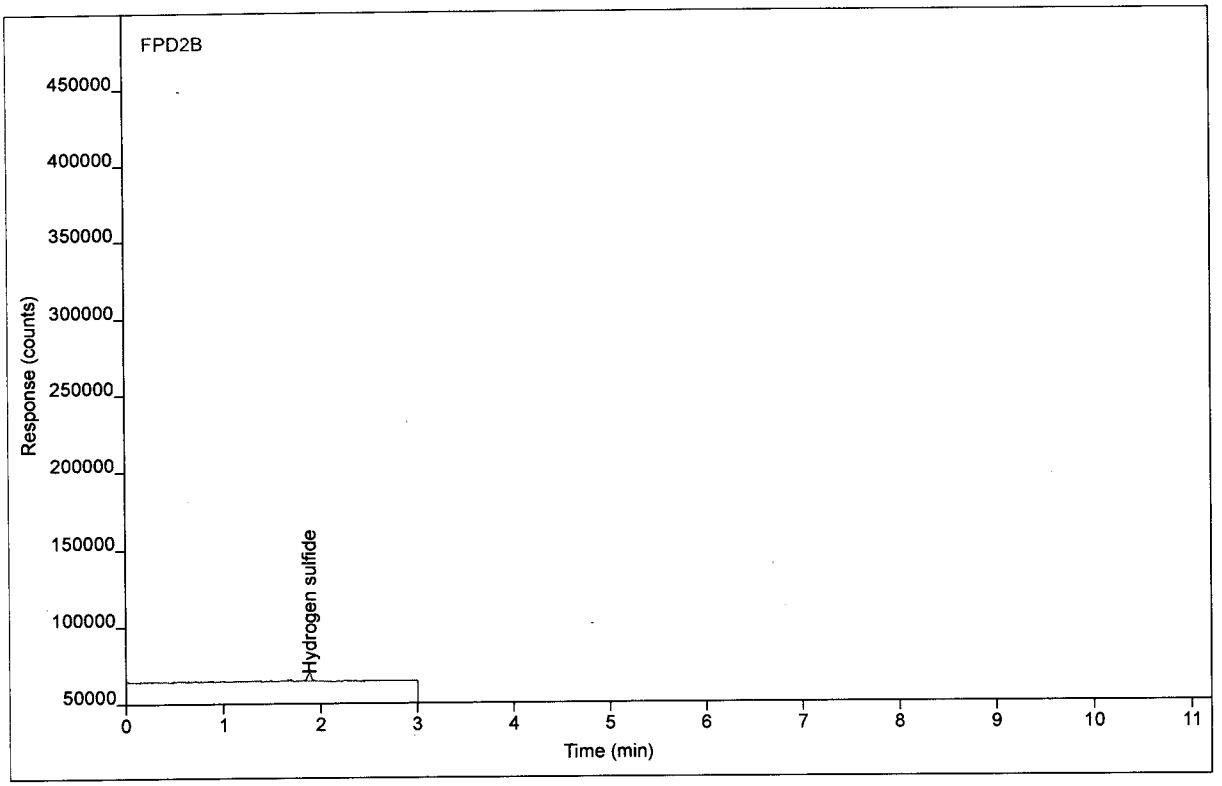
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	14382.5	4773.70	0.64416	1	0.64416	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0303.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:42 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



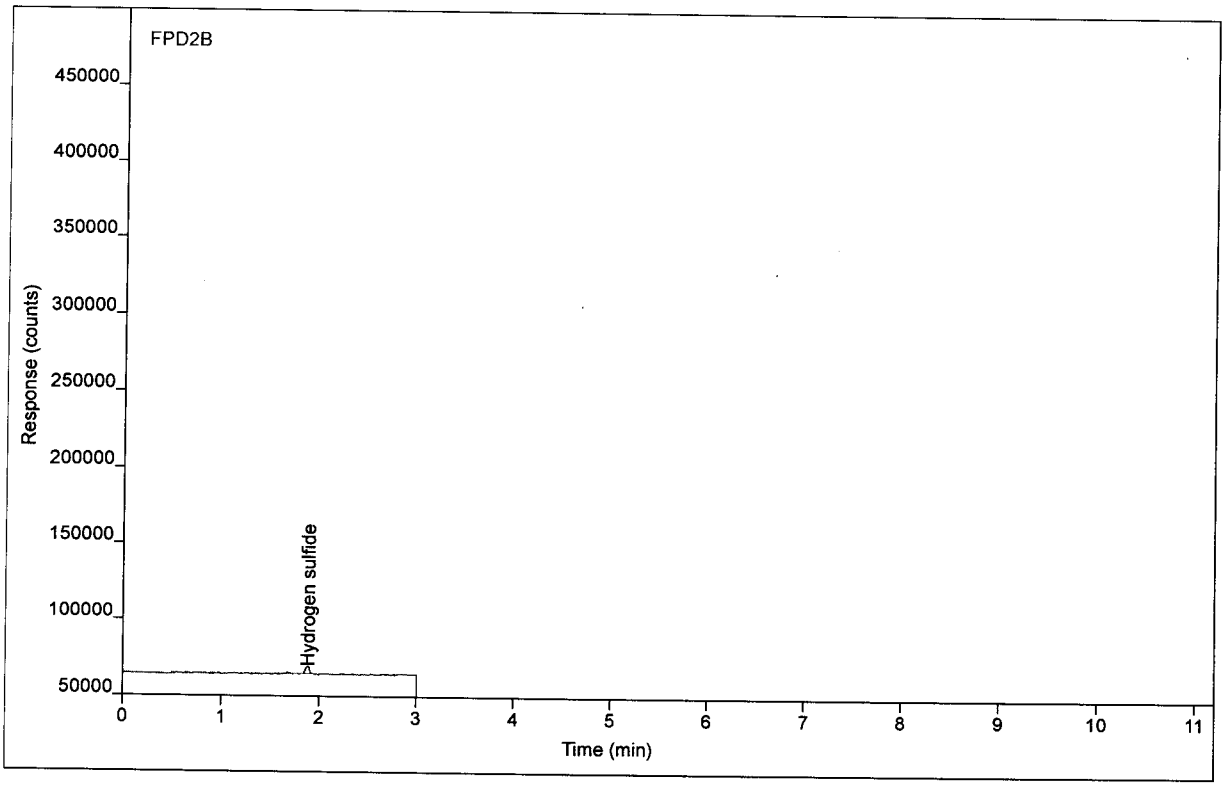
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	13715.1	4785.20	0.62933	1	0.62933	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0304.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:46 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	4 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



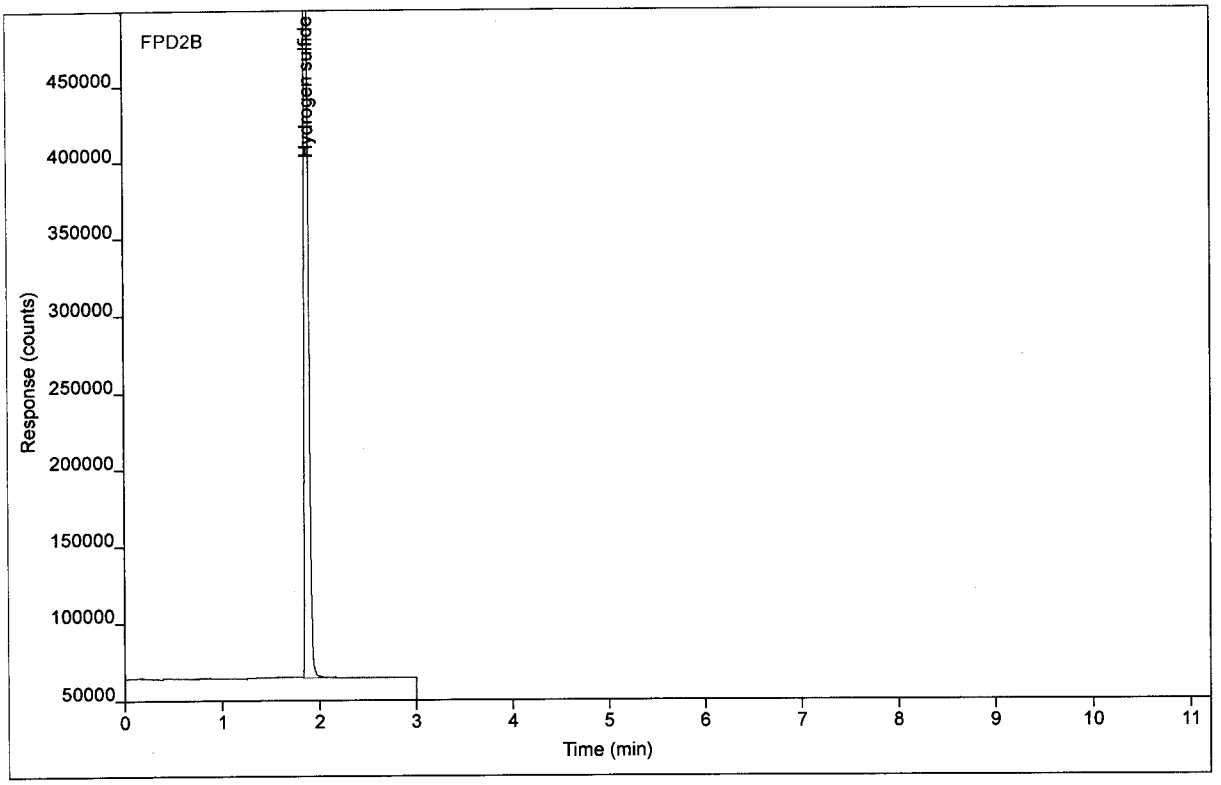
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	15583.9	4563.63	0.66998	1	0.66998	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0420 #LCS
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0402.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:55 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



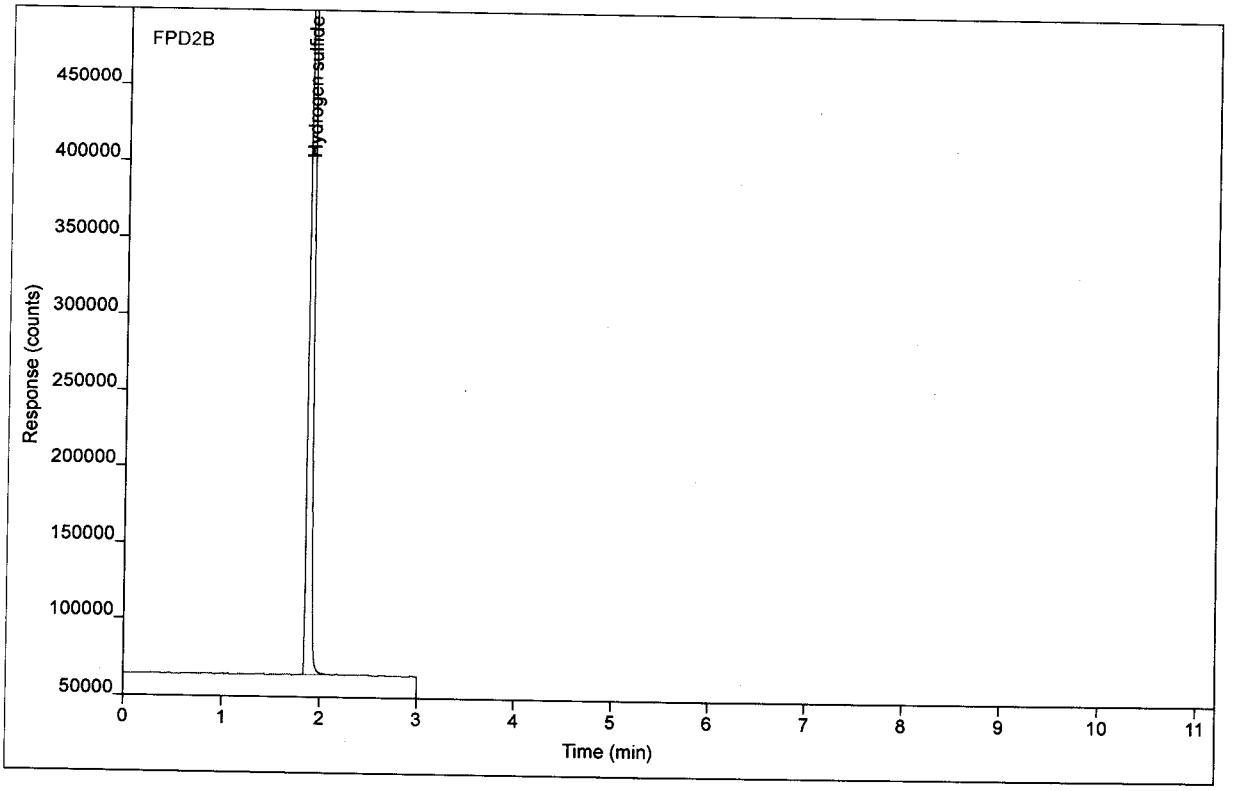
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1731596	590957	6.73584	1	6.73584	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0420 #LCS
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0403.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 9:59 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



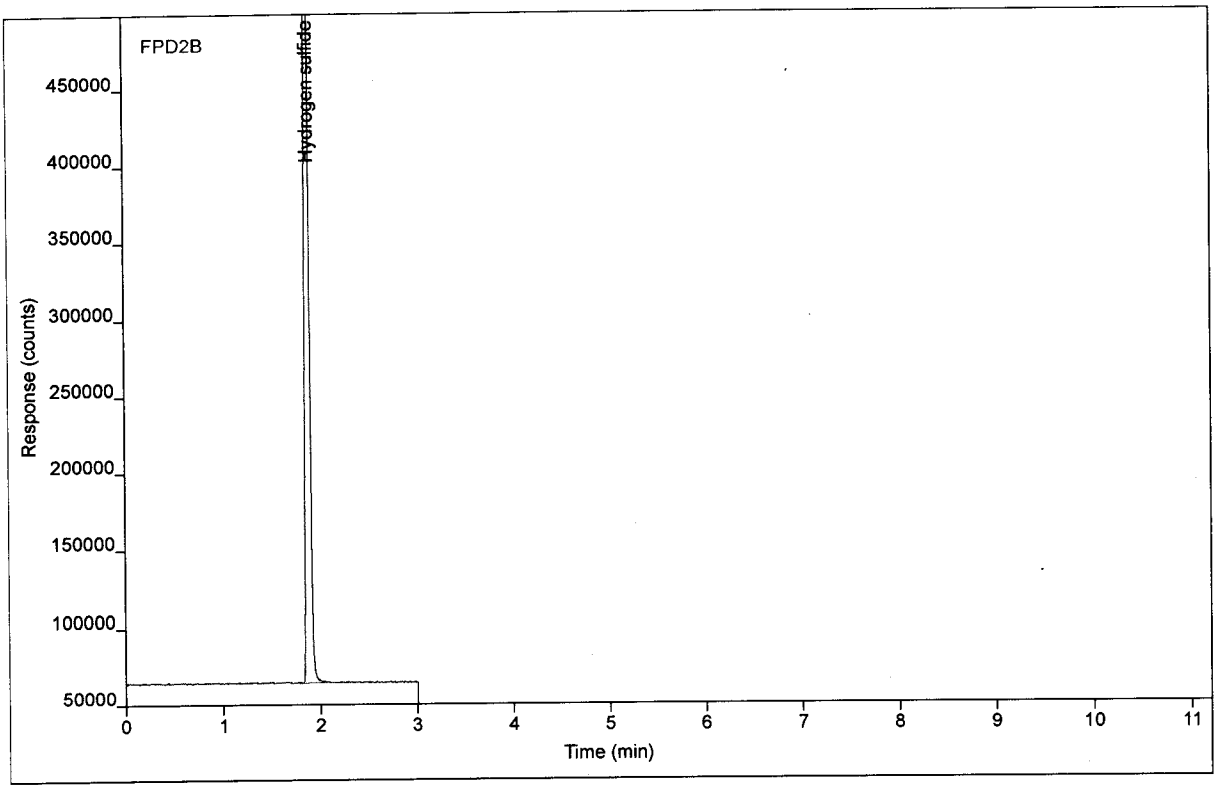
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1765512	607254	6.80016	1	6.80016	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0420 #LCS
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0404.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 10:04 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Sample
Vial Number	Vial 5
Injection Volume	NA
Injection	4 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



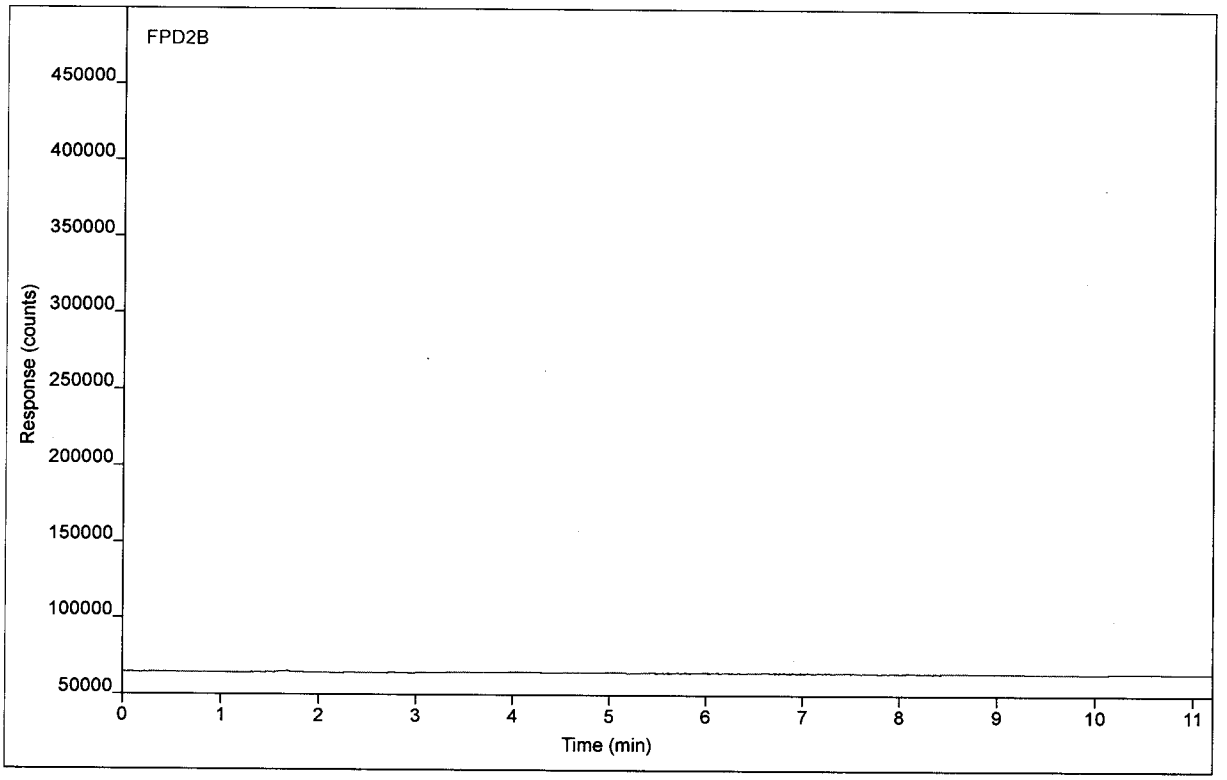
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1811347	613022	6.88609	1	6.88609	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0204 #MB
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0501.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 10:08 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Control
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 3
Acquisition Method	DUALFPD8.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



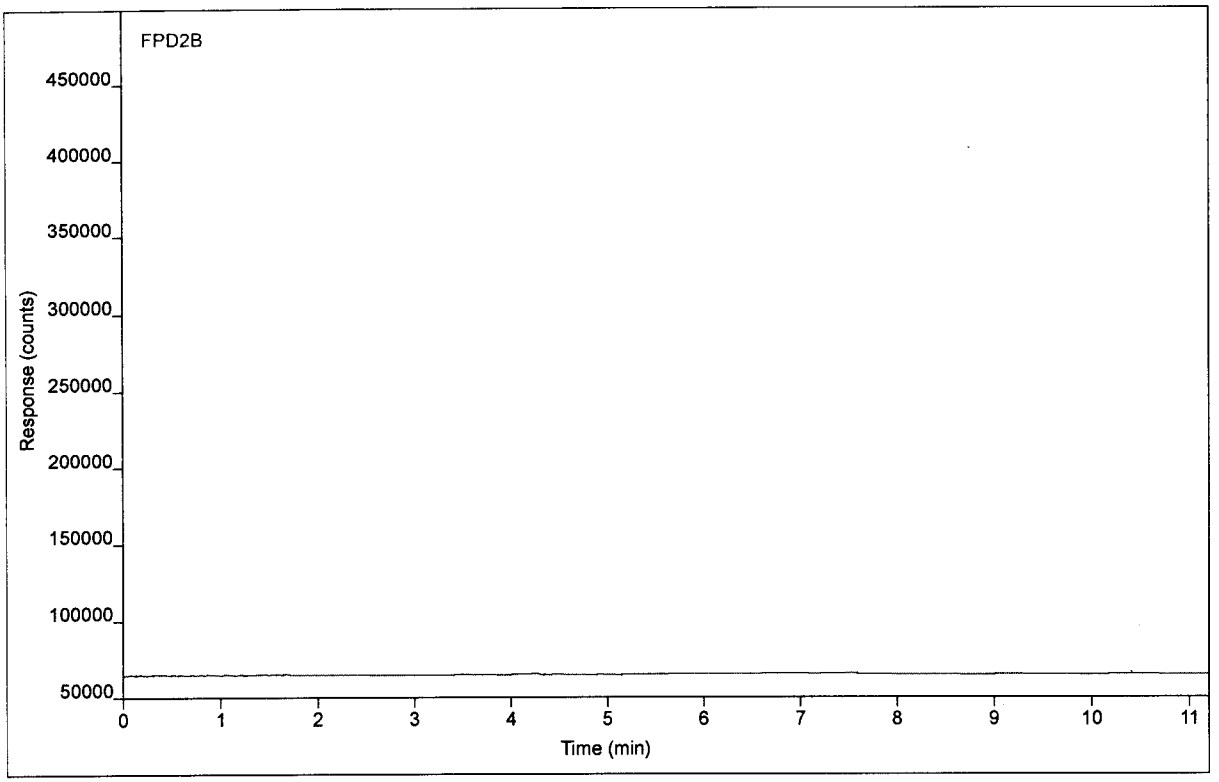
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0204 #MB
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0502.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 10:24 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Control
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 3
Acquisition Method	DUALFPD8.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



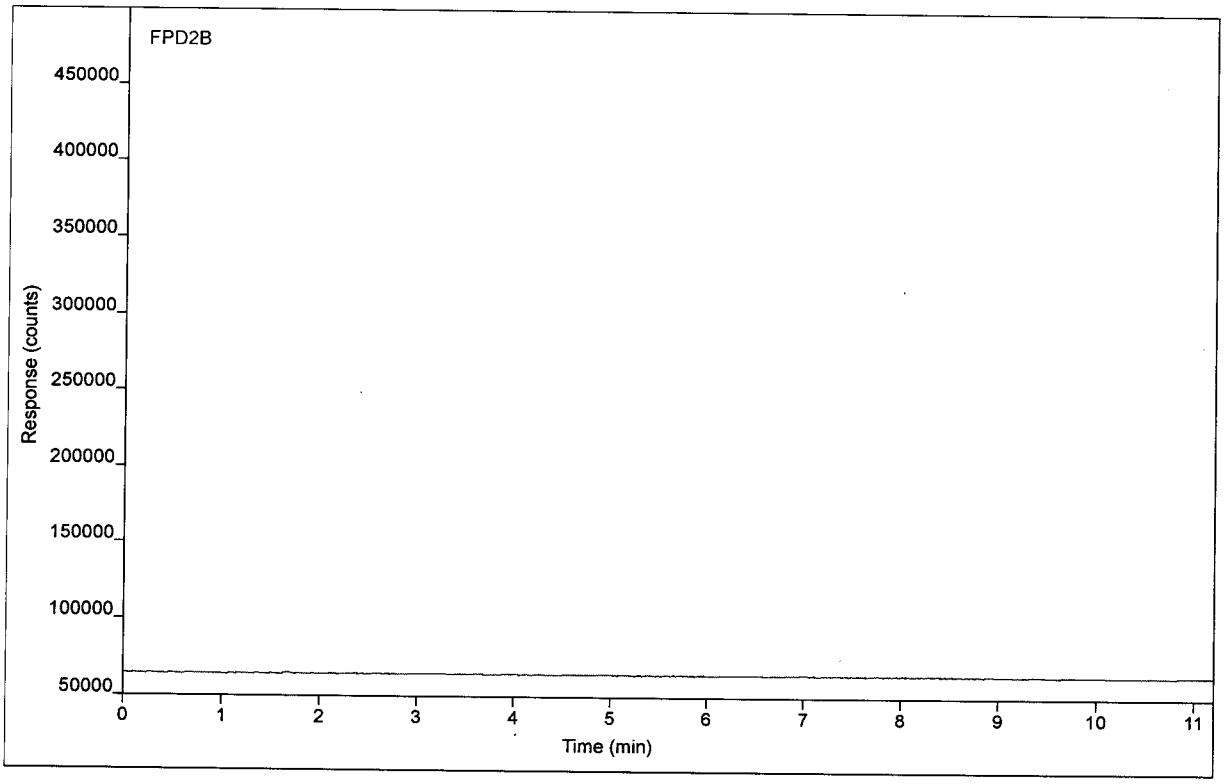
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0204 #MB
Sequence Name	ZEPPOP0462 ver.2
Inj Data File	005B0503.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/13/2019 10:40 AM
File Modified	8/15/2019 8:09 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Control
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 3
Acquisition Method	DUALFPD8.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/13/2019 9:57 AM
Printed	8/15/2019 12:02 PM



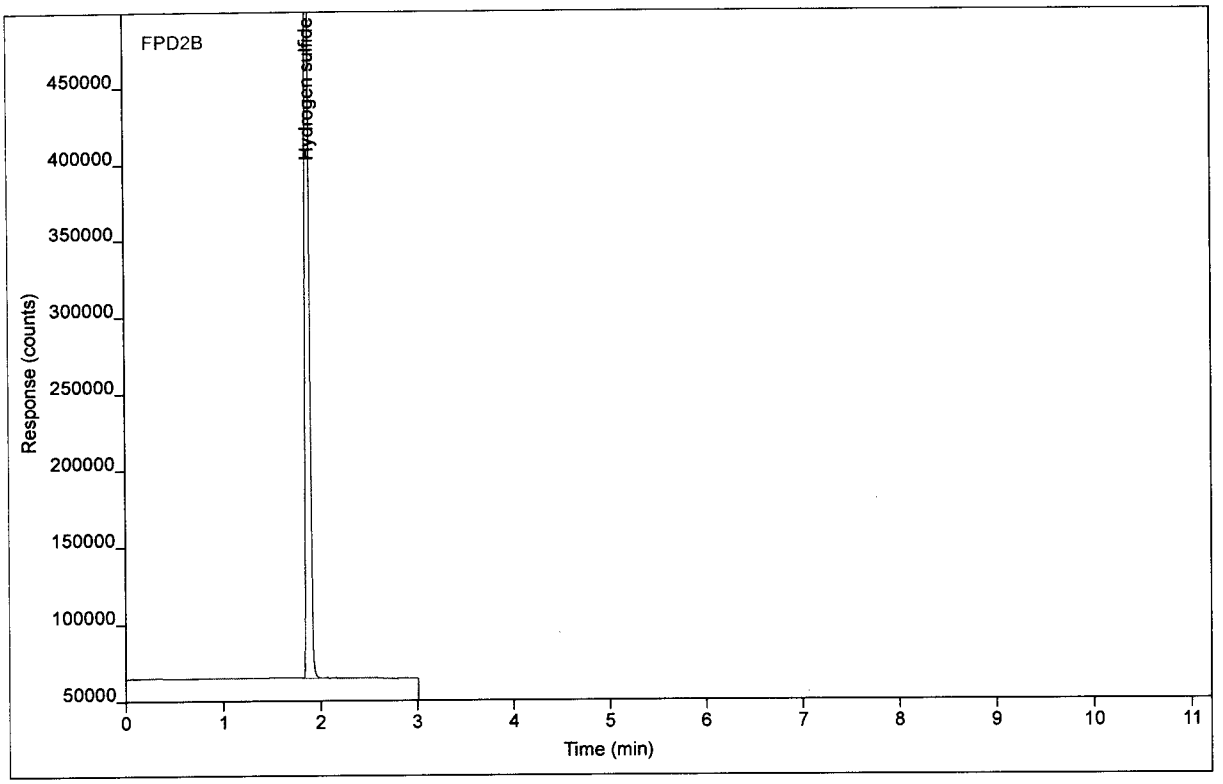
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide		(1.89)				1		

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0201.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:01 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



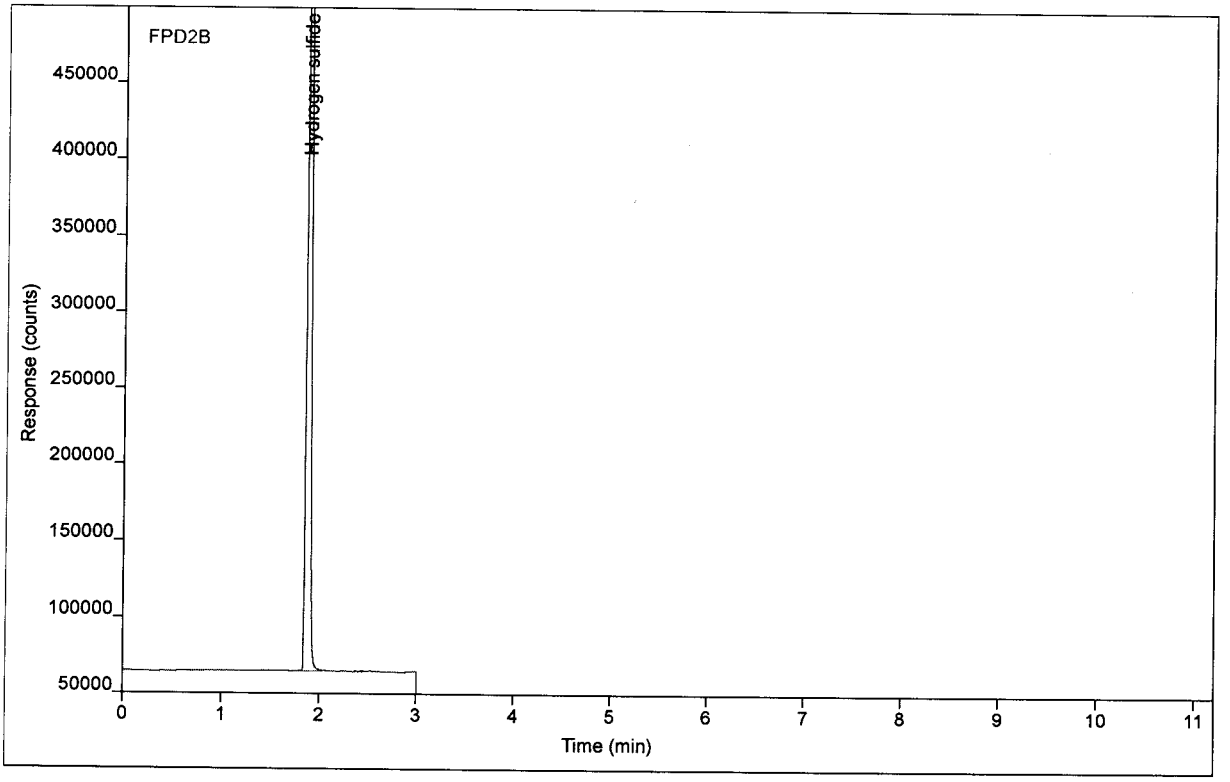
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1586345	533530	6.45282	1	6.45282	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0202.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:06 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



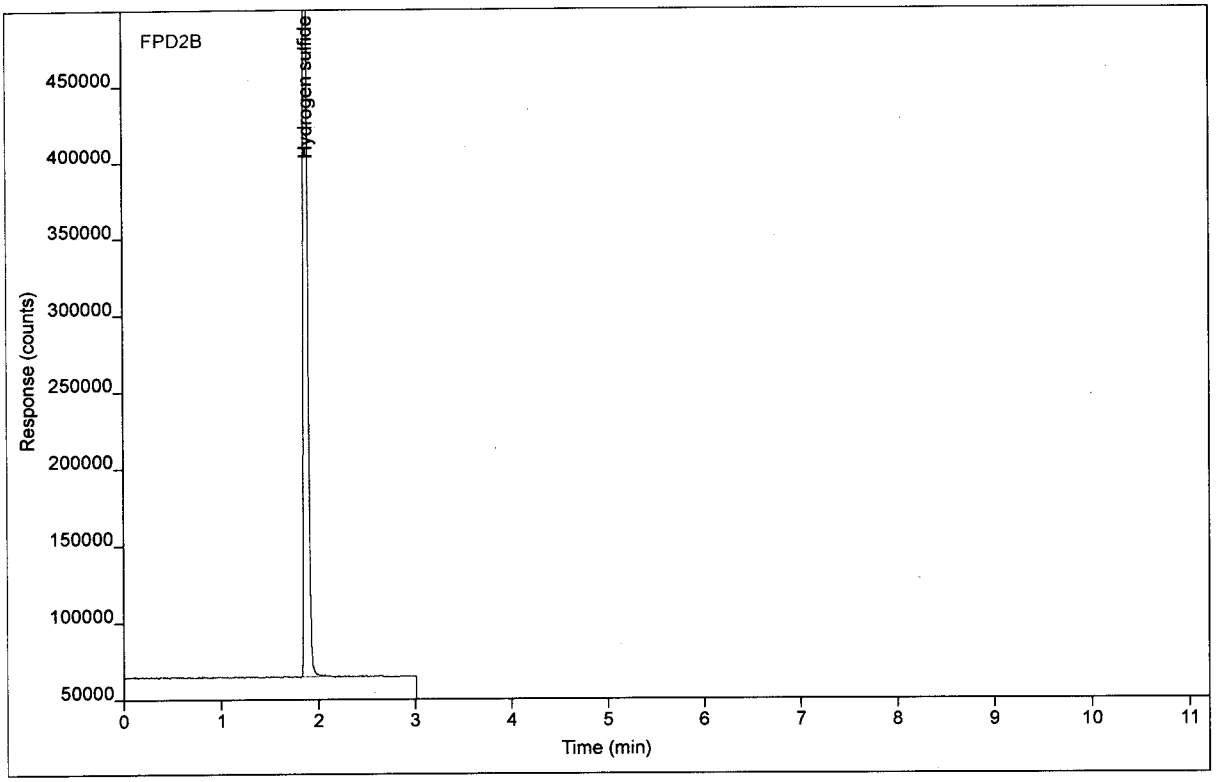
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1656086	562061	6.59029	1	6.59029	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0203.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:10 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



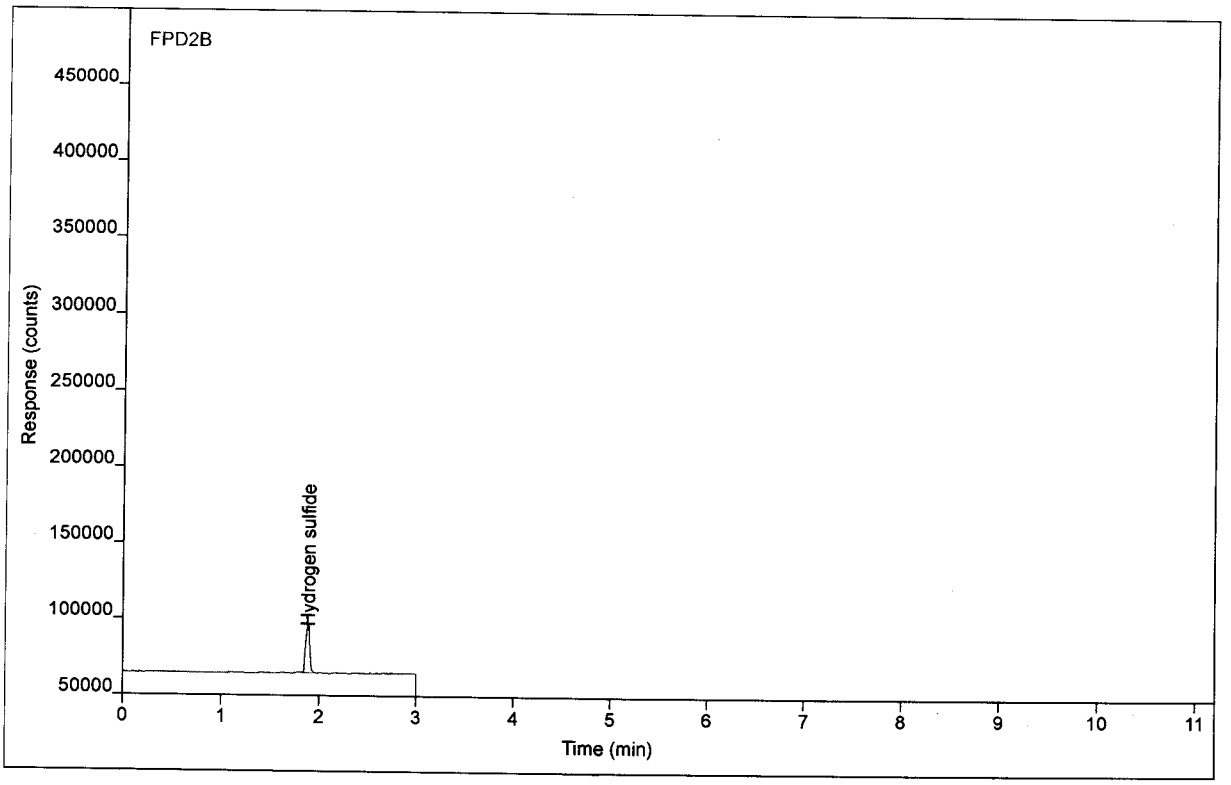
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1688550	569885	6.65327	1	6.65327	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0301.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:19 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



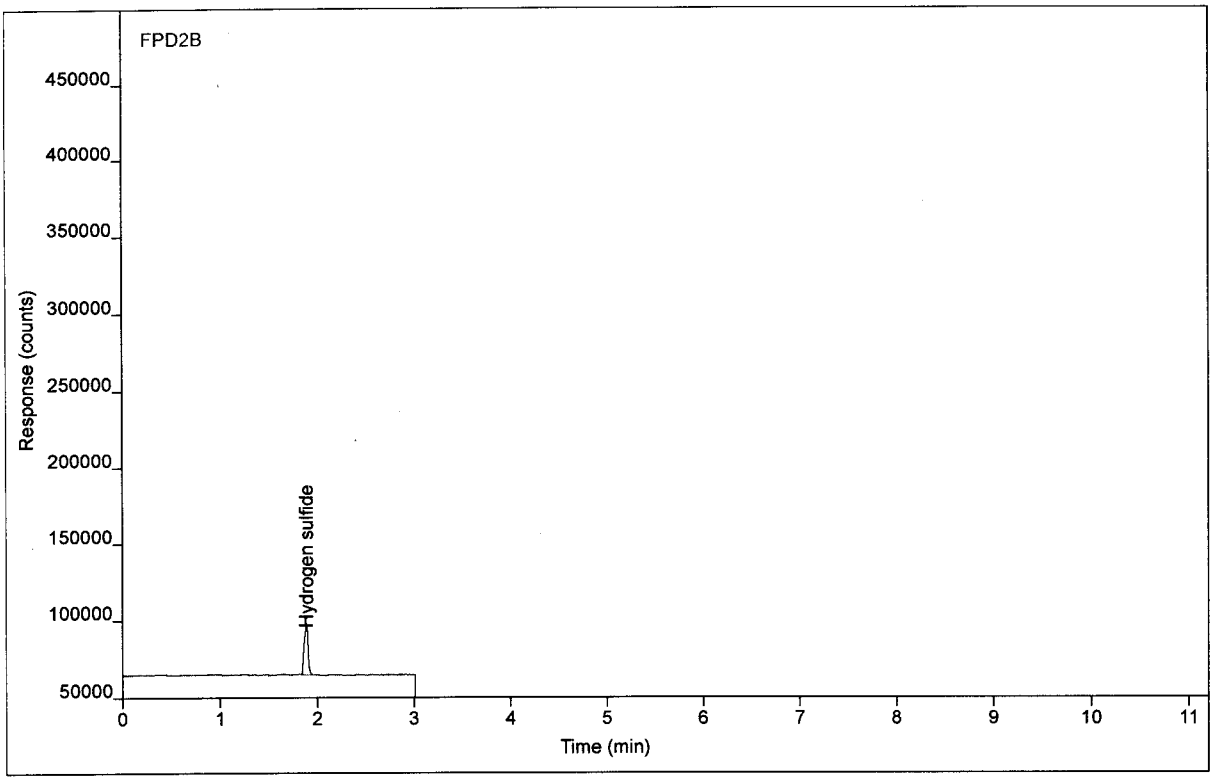
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	92906.0	30848.3	1.60678	1	1.60678	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0302.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:23 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



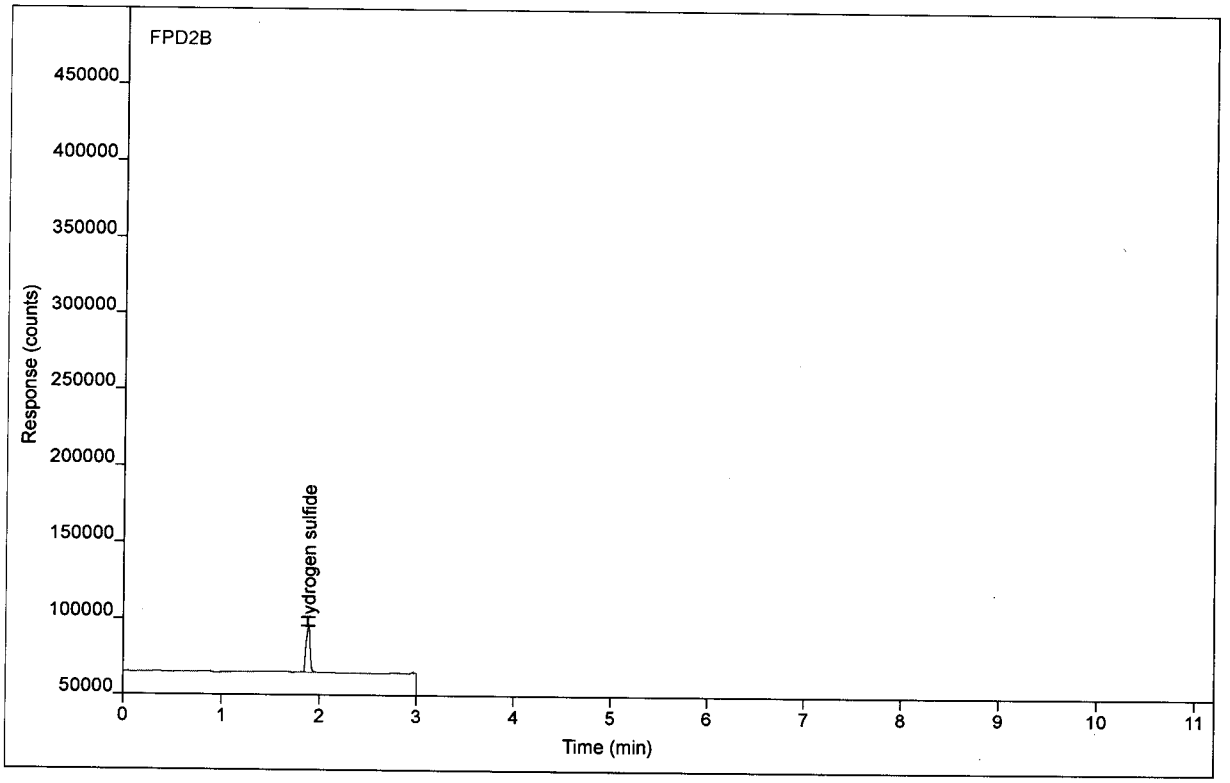
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	89249.6	30130.7	1.57548	1	1.57548	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0303.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:28 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



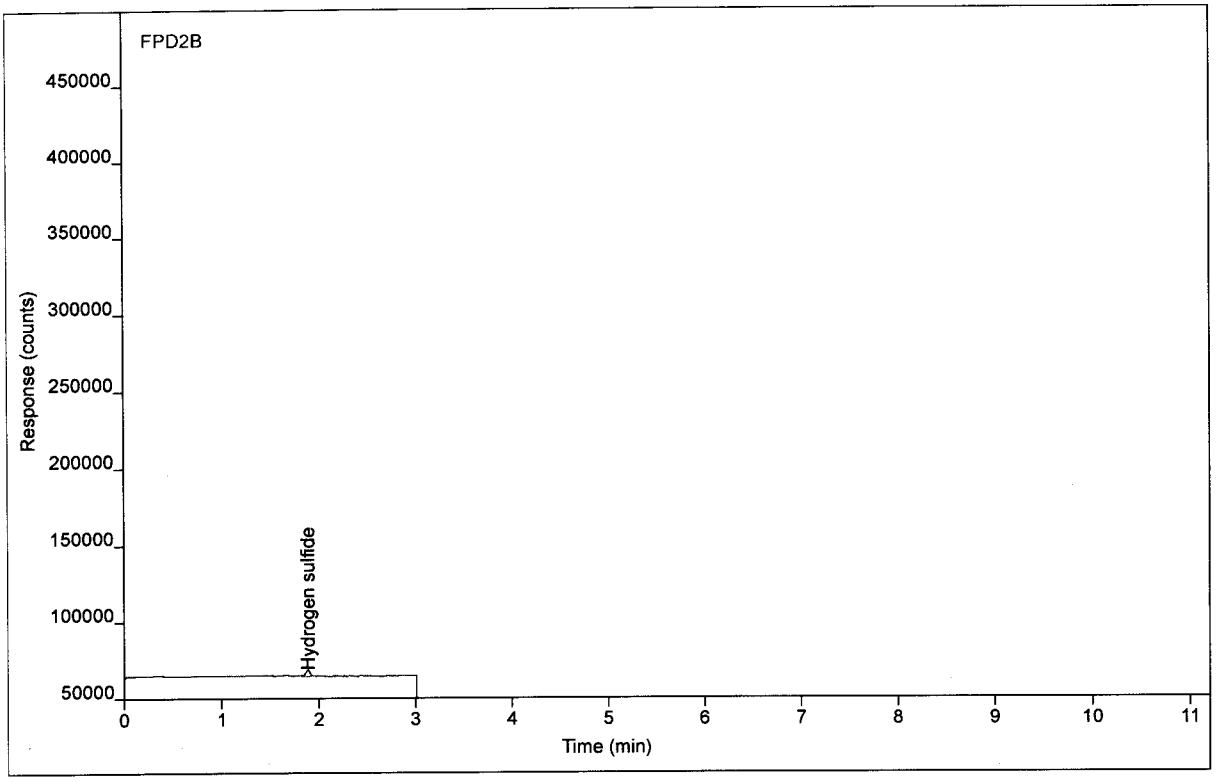
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	88728.3	29270.9	1.57096	1	1.57096	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0402.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:41 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



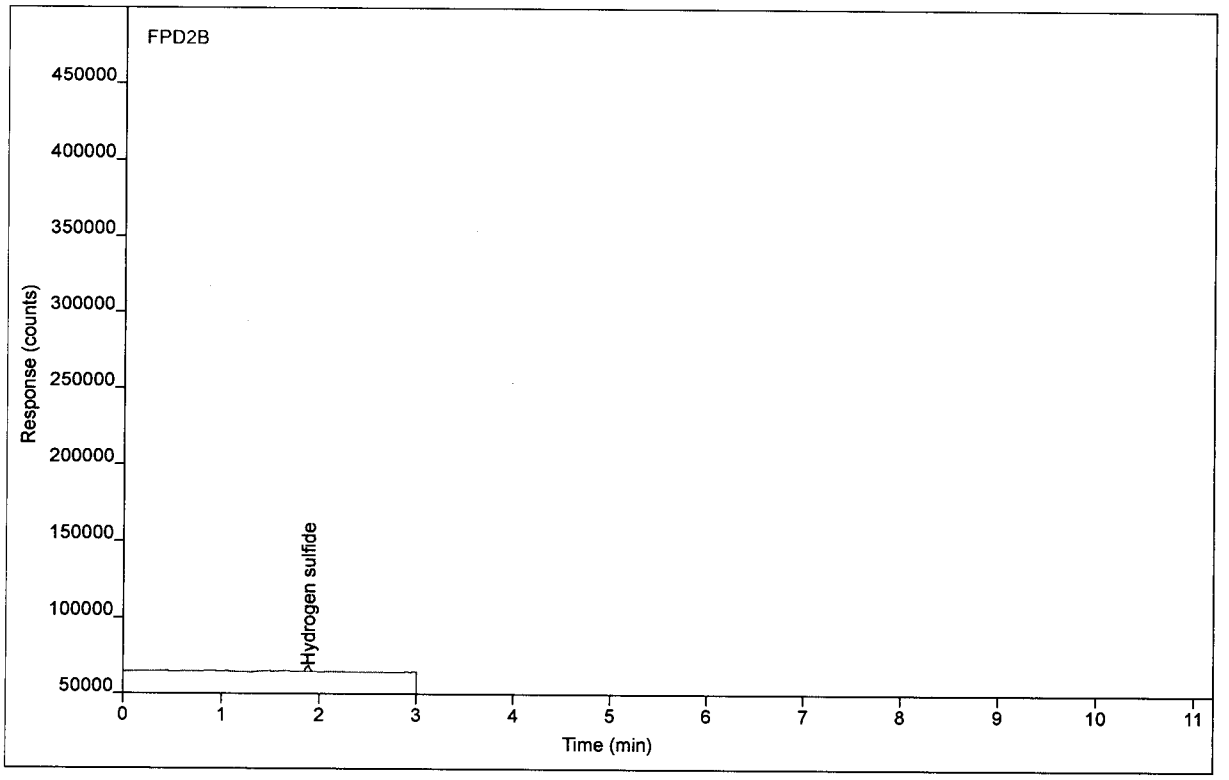
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	11961.0	4005.94	0.58852	1	0.58852	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0403.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:45 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



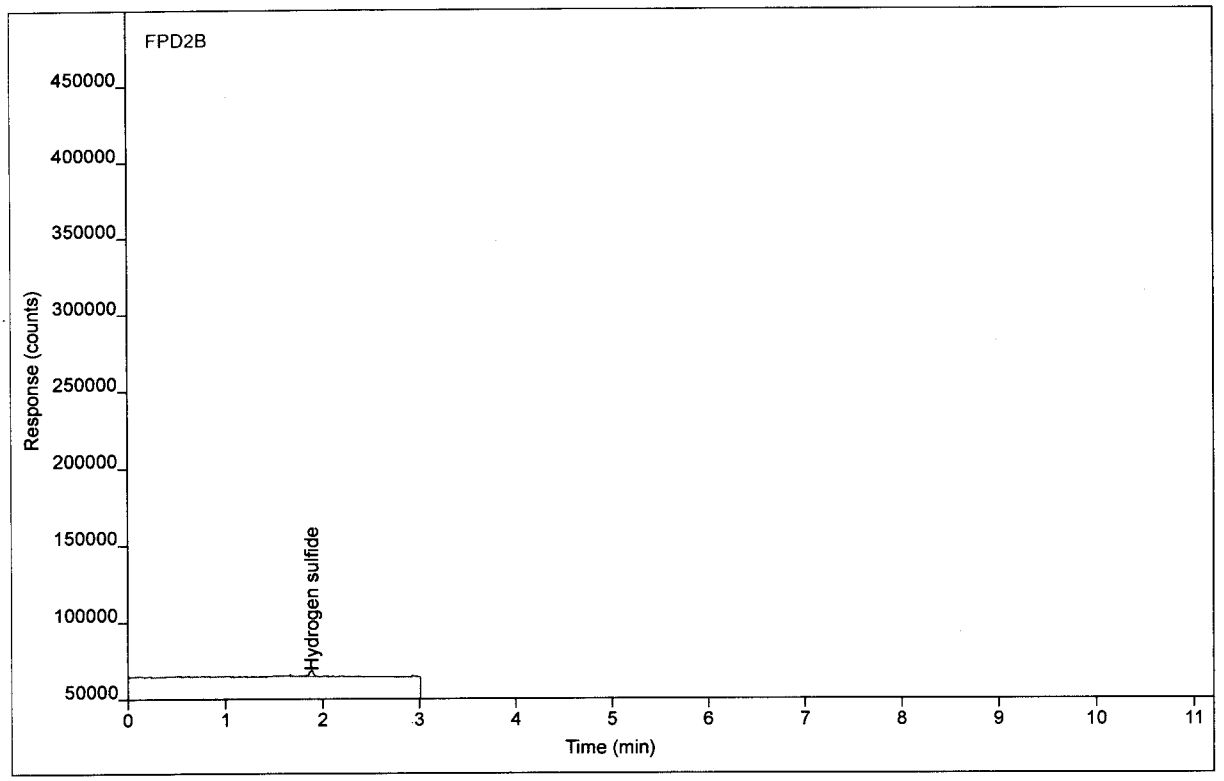
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	10416.7	3800.69	0.54998	1	0.54998	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B0404.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:50 AM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	4 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



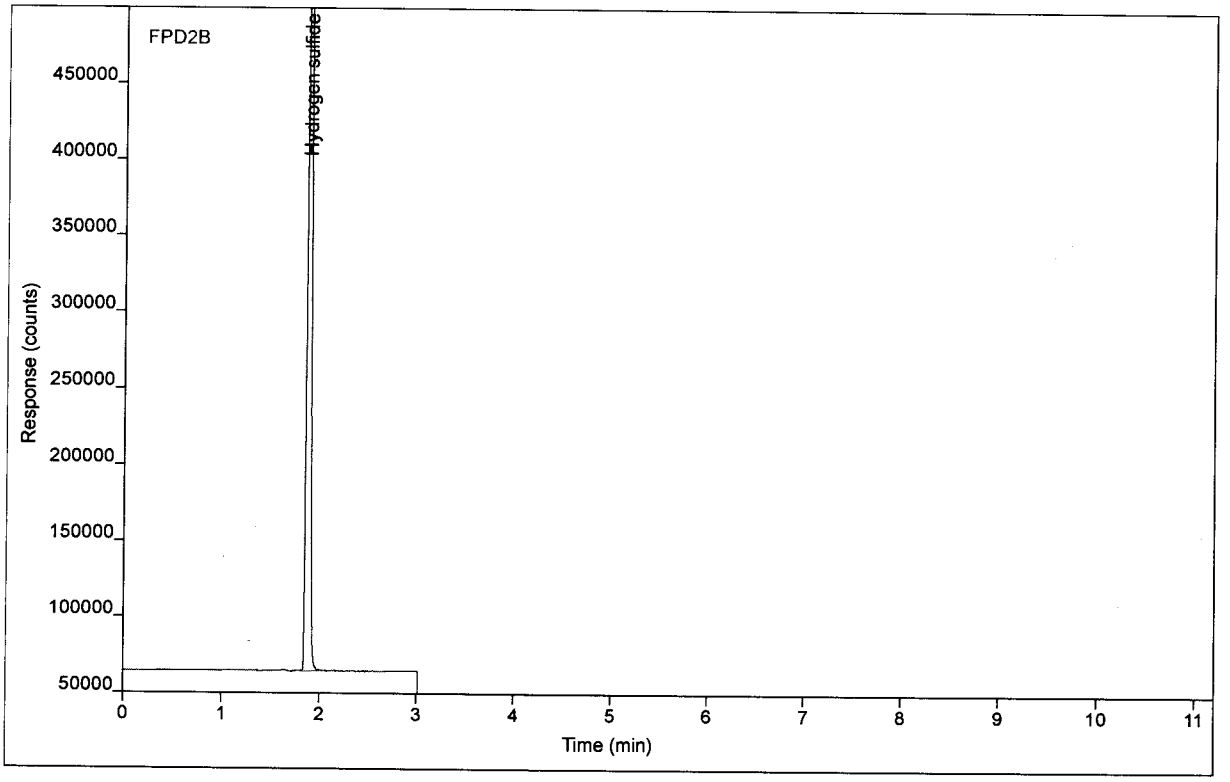
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	11926.0	3522.60	0.58768	1	0.58768	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1401.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 3:36 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



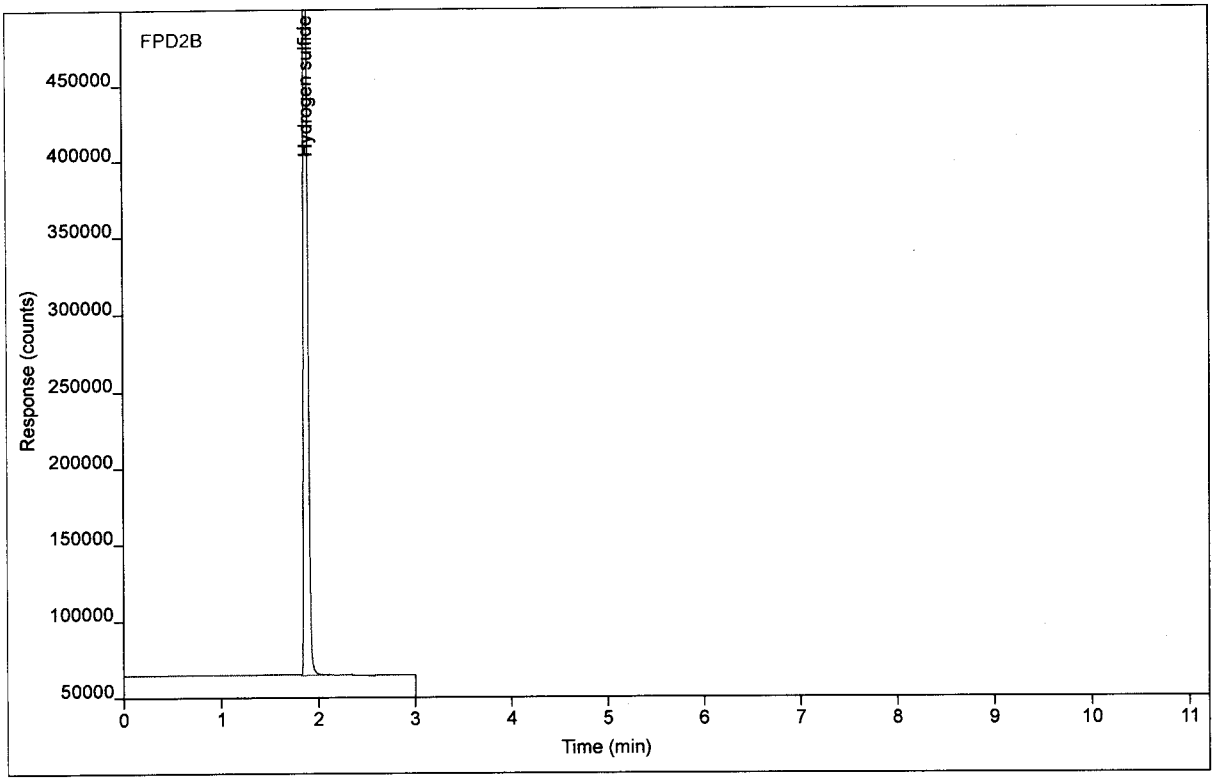
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1582237	545305	6.44463	1	6.44463	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1402.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 3:40 PM
File Modified	8/26/2019 9:57 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



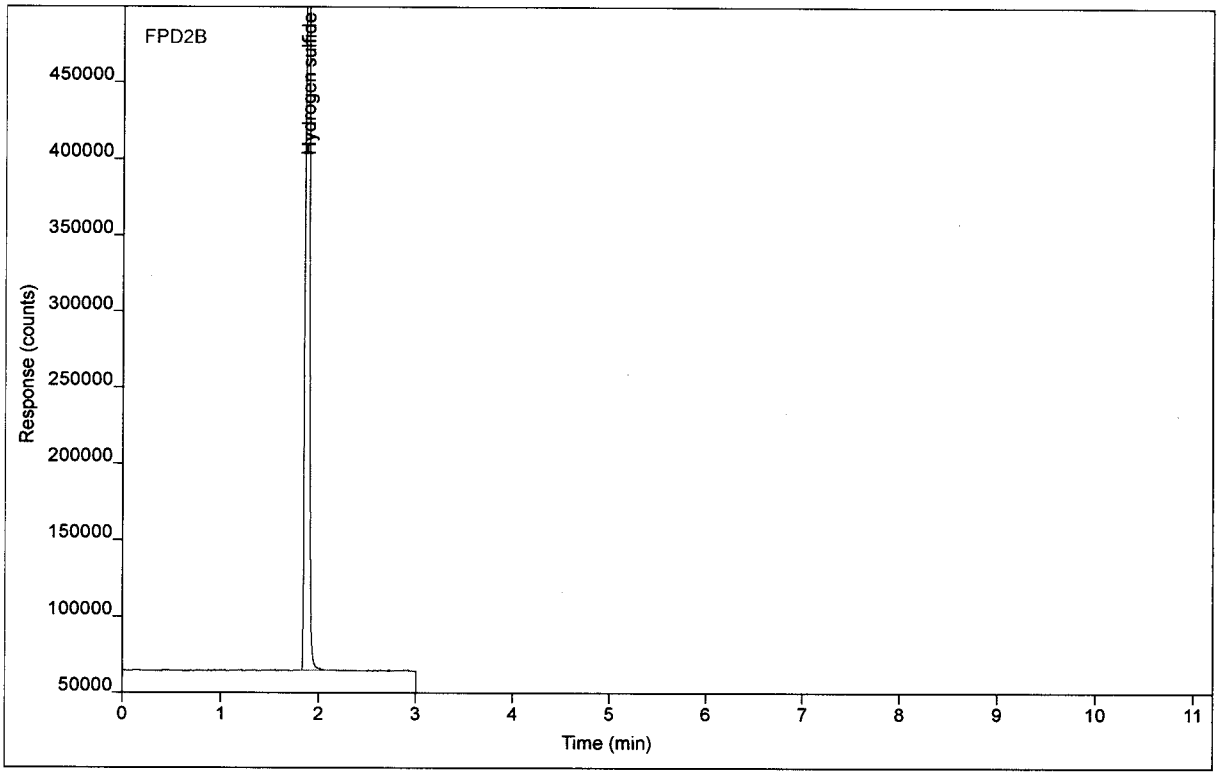
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1688112	567570	6.65242	1	6.65242	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #3
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1403.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 3:45 PM
File Modified	8/26/2019 9:58 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



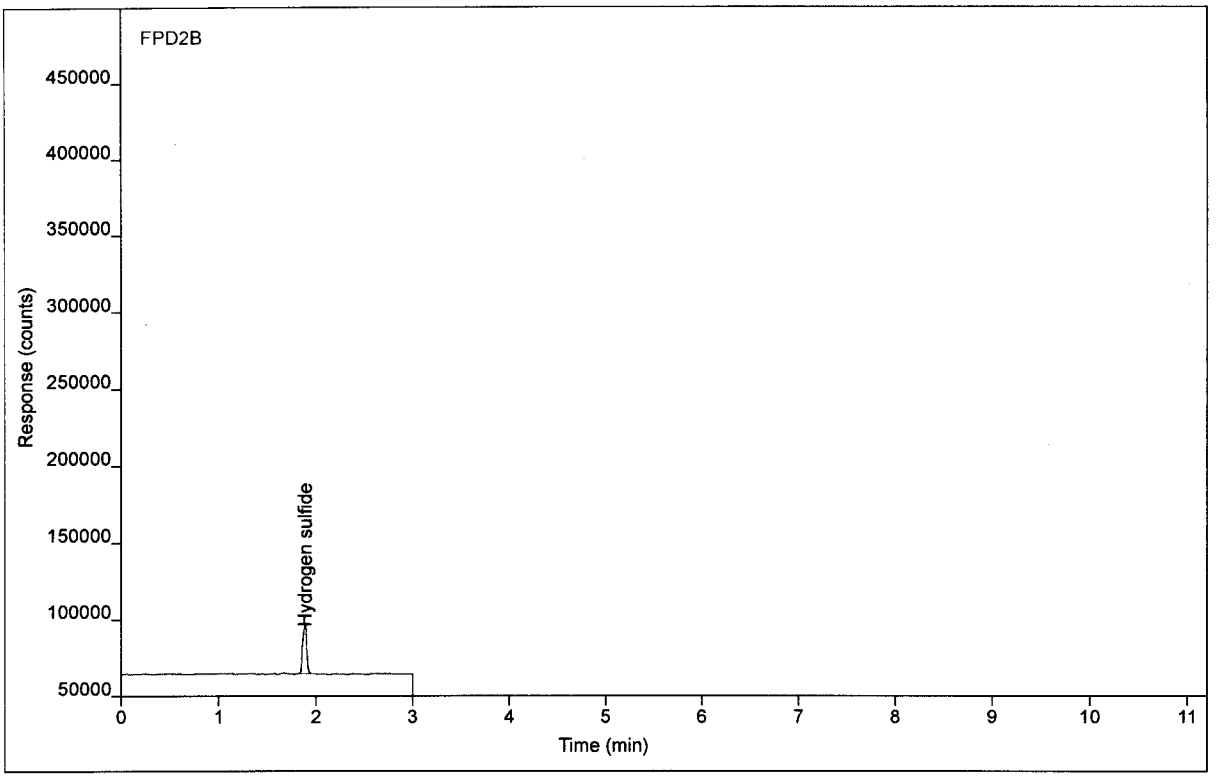
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.88	1714257	581106	6.70270	1	6.70270	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1501.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 3:53 PM
File Modified	8/26/2019 9:58 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



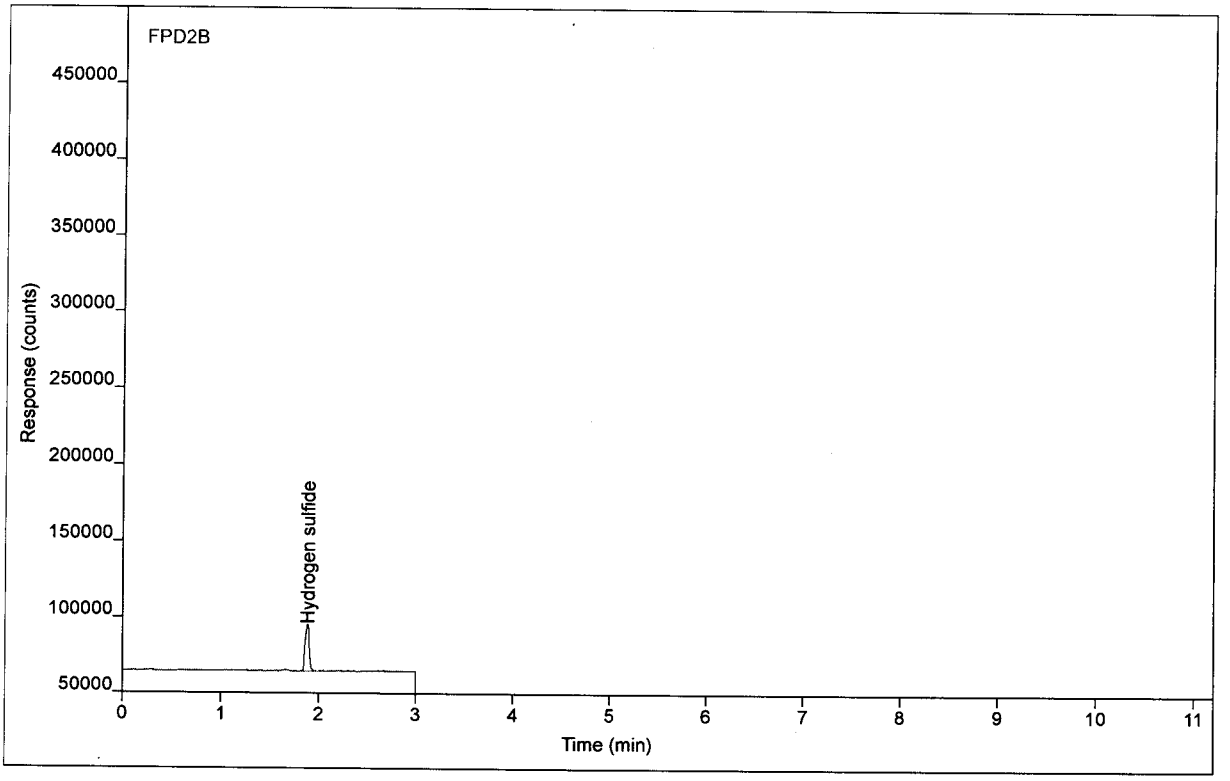
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	92863.8	30311.0	1.60642	1	1.60642	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1502.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 3:58 PM
File Modified	8/26/2019 9:58 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



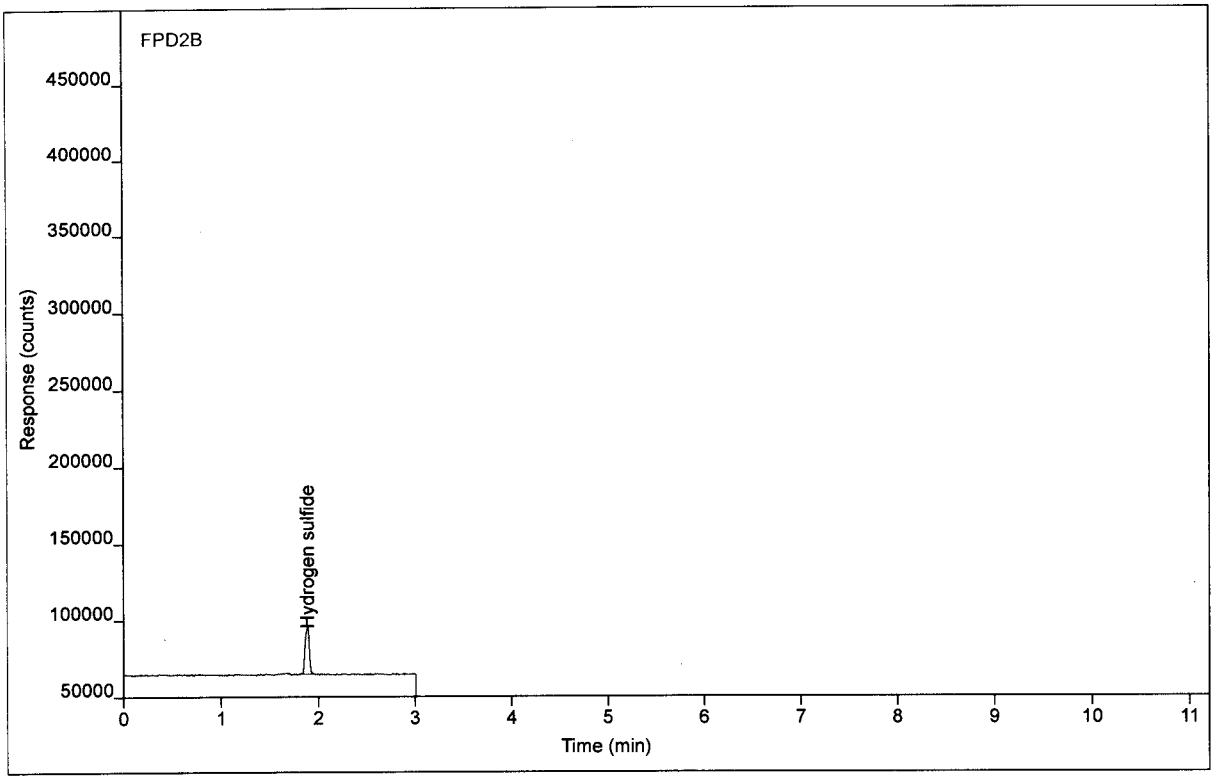
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	90968.6	30282.1	1.59027	1	1.59027	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #2
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1503.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:02 PM
File Modified	8/26/2019 9:58 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	3 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



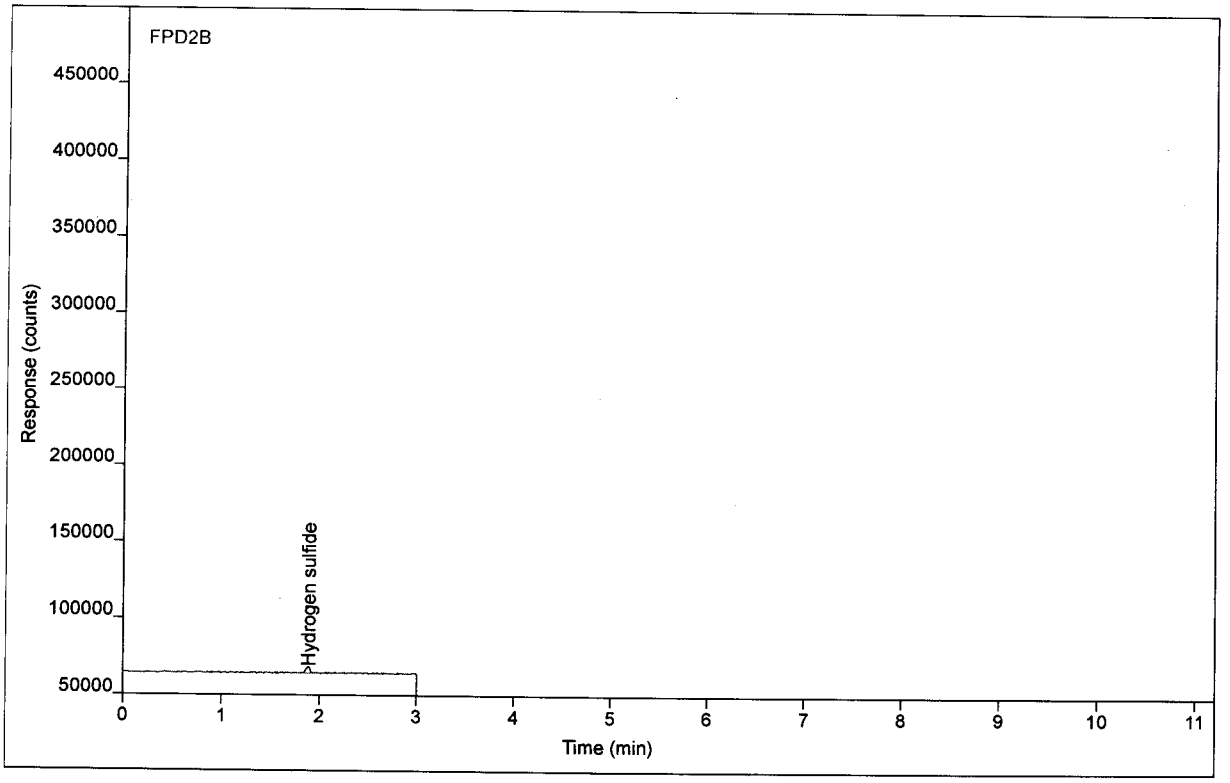
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	91007.1	31247.4	1.59060	1	1.59060	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1601.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:11 PM
File Modified	8/26/2019 9:58 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	1 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM



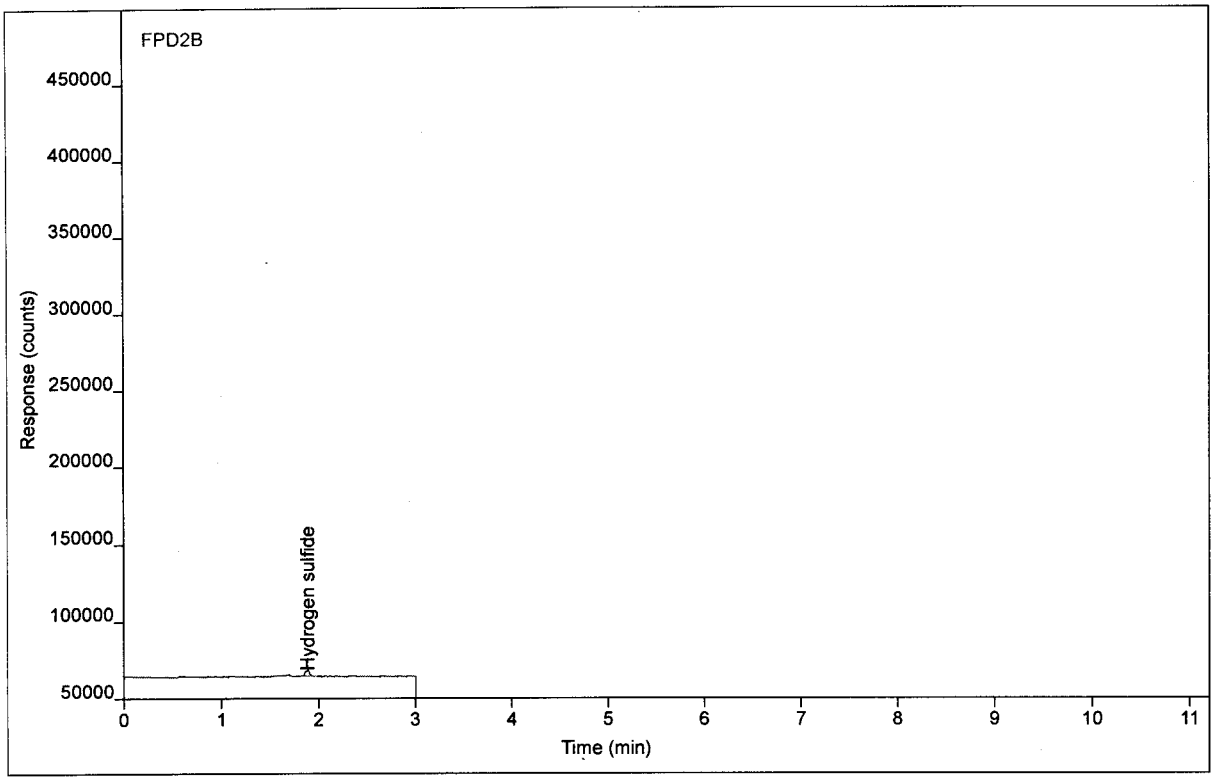
Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	FM	1.89	12950.4	4386.55	0.61189	1	0.61189	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1
Sequence Name	ZEPPOP0463B ver.2
Inj Data File	005B1602.D
File Location	GC/2019/Zeppo/Quarter 3
Injection Date	8/23/2019 4:15 PM
File Modified	8/26/2019 9:58 AM
Instrument	Zeppo
Operator	Shelby Hill

Sample Type	Calibration
Vial Number	Vial 5
Injection Volume	NA
Injection	2 of 4
Acquisition Method	DUALFPD8_SHORT.M
Analysis Method	ZEPPOP0462.M
Method Modified	8/26/2019 9:56 AM
Printed	8/26/2019 10:06 AM

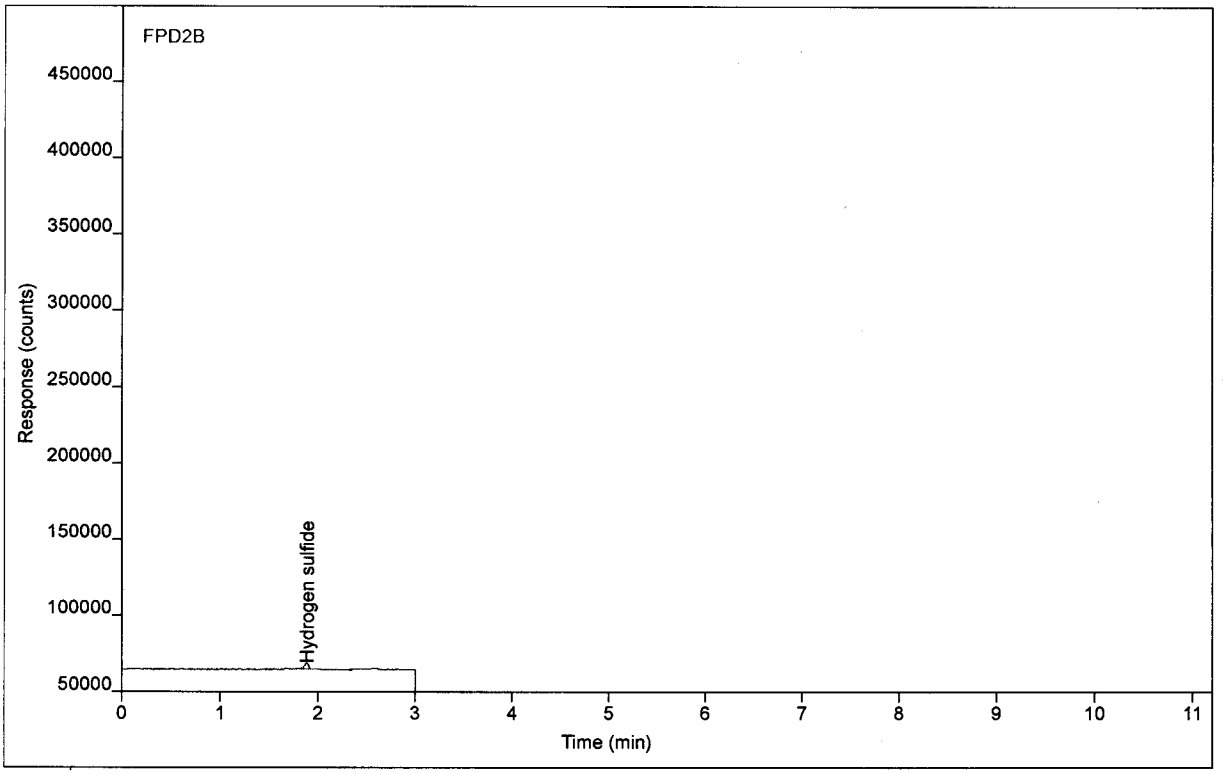


Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	11454.7	3624.65	0.57618	1	0.57618	ppmv

Chromatogram Report

Enthalpy Analytical

Sample Name	zeppoP0462 #1	Sample Type	Calibration
Sequence Name	ZEPPOP0463B ver.2	Vial Number	Vial 5
Inj Data File	005B1603.D	Injection Volume	NA
File Location	GC/2019/Zeppo/Quarter 3	Injection	3 of 4
Injection Date	8/23/2019 4:20 PM	Acquisition Method	DUALFPD8_SHORT.M
File Modified	8/26/2019 9:58 AM	Analysis Method	ZEPPOP0462.M
Instrument	Zeppo	Method Modified	8/26/2019 9:56 AM
Operator	Shelby Hill	Printed	8/26/2019 10:06 AM



Compound	Type	RT	Area	Height	Amount	DF	SampAmt	Unit
Hydrogen sulfide	BB	1.89	11358.9	4079.05	0.57382	1	0.57382	ppmv

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA, LLC
630 United Drive
Durham, NC 27713
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X02NI99C15AC3D4	Reference Number:	122-401549589-1
Cylinder Number:	CC436735	Cylinder Volume:	144.3 Cubic Feet
Laboratory:	124 - Durham (SAP) - NC	Cylinder Pressure:	2015 PSIG
Analysis Date:	Jul 22, 2019	Valve Outlet:	330
Lot Number:	122-401549589-1		

Expiration Date: Jul 22, 2022

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
HYDROGEN SULFIDE	7.000 PPM	7.070 PPM	+/- 5%
NITROGEN	Balance		

Permanent Notes:MONTROSE ENV ENTHALPY ANALY

Approved for Release

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA, LLC
630 United Drive
Durham, NC 27713
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Part Number:	X02NI99C15AC3D4	Reference Number:	122-401383582-1
Cylinder Number:	CC437143	Cylinder Volume:	144.3 Cubic Feet
Laboratory:	124 - Durham (SAP) - NC	Cylinder Pressure:	2015 PSIG
Analysis Date:	Dec 27, 2018	Valve Outlet:	330
Lot Number:	122-401383582-1		

Expiration Date: Dec 27, 2021

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
HYDROGEN SULFIDE	7.000 PPM	6.924 PPM	+/- 5%
NITROGEN	Balance		

Permanent Notes: MONTROSE ENV ENTHALPY ANALY

Approved for Release

DUALFPD8
Method Information

Method: C:\GC\2019\ZEPPO\METHODS\DUALFPD8.M
Modified: 8/6/2019 at 3:46:50 PM

Method Audit Trail

Operator : Shelby Hill
Date : 8/6/2019 3:46:49 PM
Change Info: This method was created at 8/6/2019 3:46:49 PM and based on method C:\GC\2019\ZEPPO\METHODS\DUALFPD7.M

Operator : Shelby Hill
Date : 8/6/2019 3:46:50 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro:	on
Name:	ValveController
Data Acquisition:	on
Standard Data Analysis:	off
Customized Data Analysis:	off
Save GLP Data:	off
Post-Run Cmd/Macro:	off
Save Method with Data:	off

Injection Source and Location

Injection Source: Valve

Injection Location: Dual

OVEN\DET

Runtime (min): 11.2

Zone Temperatures:

	State	Setpoint
Inl. A	OFF	175 C.
Inl. B	OFF	175 C.
Det. A	ON	200 C.
Det. B	ON	200 C.
Aux.	OFF	50 C.

Oven Zone:
Oven max 280 C.

DUALFPD8

Equib Time	1.10 Min.
Oven State	ON
Cryo State	OFF
Ambient	25 C.
Cryo Blast	OFF

Oven Program:

	Setpoint
Initial Temp.:	50 C.
Initial Time:	3.00 Min.

Level	Rate (C/min.)	Final Temp.(C)	Final Time (min)
1	25.0	150	4.20

InletB Temperature Program Information

Oven Track: OFF

Temperature Program:

	Setpoint
Initial Temp.:	175 C
Initial Time:	650.00 min.

Level	Rate (C/min.)	Final Temp.(C)	Final Time (min)
1	0	50	0.00

Total Program Time: 650.00

InletA Pressure Program Information

Constant Flow:	On
Pressure:	4.2 psi
Temperature:	60 C

Pressure Program:

	Setpoint
Initial Pres.:	0.0 psi
Initial Time:	650.00 min.

Level	Rate (psi/min.)	Final Pres.(psi)	Final Time (min)
1	0.00	0.0	0.00
2(A)	0.00	0.0	0.00
3(B)	0.00	0.0	0.00

Total Program Time: 650.00

GC Pressure Units:psi

Entered Values:

Column Length:	60.00	m.
Column Diameter:	0.530	mm.
Gas:	H2	
Vacuum Comp:	Off	

InletB Pressure Program Information

Constant Flow:	Off
Pressure:	4.2 psi
Temperature:	60 C.

Pressure Program:

	Setpoint
Initial Pres.:	0.0 psi
Initial Time:	650.00 min.

Level	Rate (psi/min.)	Final Pres.(psi)	Final Time (min)
1	0.00	0.0	0.00
2(A)	0.00	0.0	0.00
3(B)	0.00	0.0	0.00

Total Program Time: 650.00

GC Pressure Units:psi

Entered Values:

Column Length:	60.00	m.
Column Diameter:	0.530	mm.
Gas:	H2	
Vacuum Comp:	Off	

Inlet A Packed Column Information

Equation:---

Pressure-Flow Relationship:

	Pres.	Flow(psi) (ml/min)
1	---	0.0
2	---	0.0
3	---	0.0

Last pressure calibration:---

Packed Column Flow Setting (ml/min):0.0

Inlet B Packed Column Information

Equation:---

Pressure-Flow Relationship:

	Pres.	Flow(psi) (ml/min)
1	---	0.0
2	---	0.0
3	---	0.0

Last pressure calibration:---

Packed Column Flow Setting (ml/min):0.0

Purge Valve Settings

Purge A/B

	Init Value	On Time (Min.)	Off Time (Min.)
A (Valve 3)	On	0.00	0.00
B (Valve 4)	On	0.00	0.00

A - Splitless Injection: No
B - Splitless Injection: No

Valves/Relays Information

Initial Setpoints:
5890 Valves:

Valve 1:	Off
Valve 2:	Off
Valve 3 (Purge A):	On
Valve 4 (Purge B):	On

Valve/Relay Time Table:

Time	Name	State	Comment
0.00	Valve1	On	
0.10	Valve1	Off	
1.00	Valve2	On	
1.10	Valve2	Off	

Detector Information

Detector A:

Type	FPD
State	ON

Detector B:

Type	FPD
State	ON

Signal Information

Save Data:	Both

Signal 1:

Signal	Det. A
Data rate	20.000 Hz.
Peakwidth	0.013 min.
Start Time	0.00 min.
Stop Time	650.00 min.

Signal 2:

Signal	Det. B
Data rate	20.000 Hz.
Peakwidth	0.013 min.
Start Time	0.00 min.
Stop Time	650.00 min.

DUALFPD8_SHORT
Method Information

Method: C:\GC\2019\ZEPPO\METHODS\DUALFPD8_SHORT.M
Modified: 8/6/2019 at 3:45:56 PM

Method Audit Trail

Operator : Shelby Hill
Date : 8/6/2019 3:45:55 PM
Change Info: This method was created at 8/6/2019 3:45:55 PM and based on method C:\GC\2019\ZEPPO\QUARTER 2\ZEPPOP0460 2\DUALFPD8_SHORT.M

Operator : Shelby Hill
Date : 8/6/2019 3:45:56 PM
Change Info: Method saved. User comment: ""

Run Time Checklist

Pre-Run Cmd/Macro:	on
Name:	ValveController
Data Acquisition:	on
Standard Data Analysis:	off
Customized Data Analysis:	off
Save GLP Data:	off
Post-Run Cmd/Macro:	off
Save Method with Data:	off

Injection Source and Location

Injection Source: Valve

Injection Location: Dual

OVEN\DET

Runtime (min): 3.0

Zone Temperatures:

	State	Setpoint
Inl. A	OFF	175 C.
Inl. B	OFF	175 C.
Det. A	ON	200 C.
Det. B	ON	200 C.
Aux.	OFF	50 C.

Oven Zone:
Oven max 280 C.

DUALFPD8_SHORT

Equib Time	1.10 Min.
Oven State	ON
Cryo State	OFF
Ambient	25 C.
Cryo Blast	OFF

Oven Program:

	Setpoint
Initial Temp.:	50 C.
Initial Time:	3.00 Min.

Level	Rate (C/min.)	Final Temp.(C)	Final Time (min)
1	0.00	0	0.00

InletB Temperature Program Information

Oven Track: OFF

Temperature Program:

	Setpoint
Initial Temp.:	175 C
Initial Time:	650.00 min.

Level	Rate (C/min.)	Final Temp.(C)	Final Time (min)
1	0	50	0.00

Total Program Time: 650.00

InletA Pressure Program Information

Constant Flow:	On
Pressure:	4.2 psi
Temperature:	60 C

Pressure Program:

	Setpoint
Initial Pres.:	0.0 psi
Initial Time:	650.00 min.

Level	Rate (psi/min.)	Final Pres.(psi)	Final Time (min)
1	0.00	0.0	0.00
2(A)	0.00	0.0	0.00
3(B)	0.00	0.0	0.00

Total Program Time: 650.00

GC Pressure Units:psi

Entered Values:

Column Length:	60.00	m.
Column Diameter:	0.530	mm.
Gas:	H2	
Vacuum Comp:	Off	

InletB Pressure Program Information

Constant Flow:	Off
Pressure:	4.2 psi
Temperature:	60 C.

Pressure Program:

	Setpoint
Initial Pres.:	0.0 psi
Initial Time:	650.00 min.

DUALFPD8_SHORT

Level	Rate (psi/min.)	Final Pres.(psi)	Final Time (min)
1	0.00	0.0	0.00
2(A)	0.00	0.0	0.00
3(B)	0.00	0.0	0.00

Total Program Time: 650.00

GC Pressure Units:psi

Entered Values:

Column Length:	60.00	m.
Column Diameter:	0.530	mm.
Gas:	H2	
Vacuum Comp:	Off	

Inlet A Packed Column Information

Equation:---

Pressure-Flow Relationship:

	Pres.	Flow(psi) (ml/min)
1	---	0.0
2	---	0.0
3	---	0.0

Last pressure calibration:---

Packed Column Flow Setting (ml/min):0.0

Inlet B Packed Column Information

Equation:---

Pressure-Flow Relationship:

	Pres.	Flow(psi) (ml/min)
1	---	0.0
2	---	0.0
3	---	0.0

Last pressure calibration:---

Packed Column Flow Setting (ml/min):0.0

Purge Valve Settings

Purge A/B

	Init Value	On Time (Min.)	Off Time (Min.)
A (Valve 3)	On	0.00	0.00
B (Valve 4)	On	0.00	0.00

A - Splitless Injection: No
B - Splitless Injection: No

Valves/Relays Information

Initial Setpoints:
5890 Valves:

Valve 1:	Off
Valve 2:	Off
Valve 3 (Purge A):	On
Valve 4 (Purge B):	On

DUALFPD8_SHORT

Valve/Relay Time Table:

Time	Name	State	Comment
0.00	Valve1	On	
0.10	Valve1	Off	
1.00	Valve2	On	
1.10	Valve2	Off	

Detector Information

Detector A:

Type	FPD
State	ON

Detector B:

Type	FPD
State	ON

Signal Information

Save Data: Both

Signal 1:

Signal	Det. A
Data rate	20.000 Hz.
Peakwidth	0.013 min.
Start Time	0.00 min.
Stop Time	650.00 min.

Signal 2:

Signal	Det. B
Data rate	20.000 Hz.
Peakwidth	0.013 min.
Start Time	0.00 min.
Stop Time	650.00 min.

This Is The Last Page Of This Report.

ENTHALPY

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
1	LABORATO	SAMPLE_NAME	BATCH_NAME	SAMPLE_DATE	SAMPLE_TIME	DATA_FILE	ACQ_TIME	ACQ_DATE	TEST_ME	SAMPLE_TYP
2	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
3	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
4	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
5	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
6	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
7	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
8	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
9	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
10	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
11	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
12	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
13	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
14	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
15	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
16	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
17	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
18	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
19	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
20	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
21	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
22	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
23	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
24	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
25	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
26	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
27	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
28	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
29	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
30	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
31	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
32	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
33	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
34	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
35	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
36	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
37	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
38	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
39	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
40	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
41	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
42	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
43	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
44	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
45	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
46	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
47	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
48	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
49	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
50	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
51	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
52	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
53	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
54	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
55	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
56	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
57	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
58	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
59	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
60	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
61	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
62	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
63	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
64	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
65	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
66	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
67	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
68	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
69	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
70	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
71	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
72	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
73	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
74	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
75	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
76	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
77	ENT	ACF-AS-RES-2-24HR-082119	X082419A	8/21/2019	11:20:00	X1903152.D	3:46:26	8/25/2019	TO15	Sample
78	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
79	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
80	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
81	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
82	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
83	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
84	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
85	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
86	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
87	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
88	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
89	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
90	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
91	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
92	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
93	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
94	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
95	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
96	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
97	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
98	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
99	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
100	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
101	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
102	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
103	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
104	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
105	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
106	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
107	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
108	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
109	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
110	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
111	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
112	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
113	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
114	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
115	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
116	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
117	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
118	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
119	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
120	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
121	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
122	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
123	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
124	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
125	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
126	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
127	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
128	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
129	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
130	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
131	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
132	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
133	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
134	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
135	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
136	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
137	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
138	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
139	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
140	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
141	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
142	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
143	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
144	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
145	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
146	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
147	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
148	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
149	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
150	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
151	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
152	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
153	ENT	ACF-AS-RES-1-24HR-082119	X082419A	8/21/2019	11:30:00	X1903154.D	5:39:03	8/25/2019	TO15	Sample
154	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
155	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
156	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
157	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
158	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
159	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
160	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
161	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
162	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
163	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
164	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
165	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
166	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
167	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
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169	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
170	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
171	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
172	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
173	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
174	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
175	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
176	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
177	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
178	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
179	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
180	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
181	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
182	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
183	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
184	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
185	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
186	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
187	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
188	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
189	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
190	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
191	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
192	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
193	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
194	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
195	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
196	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
197	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
198	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
199	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
200	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
201	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
202	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
203	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
204	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
205	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
206	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
207	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
208	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
209	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
210	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
211	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
212	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
213	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
214	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
215	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
216	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
217	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
218	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
219	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
220	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
221	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
222	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
223	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
224	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
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226	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
227	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
228	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
229	ENT	ACF-AS-PAM1-082119	X082419A	8/21/2019	9:30:00	X1903155.D	6:35:16	8/25/2019	TO15	Sample
230	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
231	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
232	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
233	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
234	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
235	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
236	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
237	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
238	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
239	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
240	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
241	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
242	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
243	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
244	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
245	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
246	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
247	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
248	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
249	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
250	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
251	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
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253	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
254	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
255	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
256	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
257	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
258	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
259	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
260	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
261	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
262	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
263	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
264	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
265	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
266	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
267	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
268	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
269	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
270	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
271	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
272	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
273	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
274	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
275	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
276	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
277	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
278	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
279	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
280	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
281	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
282	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
283	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
284	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
285	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
286	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
287	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
288	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
289	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
290	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
291	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
292	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
293	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	A	B	C	D	E	F	G	H	I	J
294	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
295	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
296	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
297	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
298	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
299	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
300	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
301	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
302	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
303	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
304	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample
305	ENT	ACF-AS-PAM2-082119	X082419A	8/21/2019	9:57:00	X1903156.D	7:31:28	8/25/2019	TO15	Sample

LIMs Export Table Quant Report

	K	L	M	N	O	P	Q	R
1	COMPOUND	CAS_NUMBER	COMPOUND_NAME	DILUTION_FACT	RESULT	RESULT_UNITS	RESULT2	RESULT_UNITS2
2	Target	115-07-1	Propylene	1	0.672	PPBV	1.16	ug/m3
3	Target	75-71-8	Freon 12 (CCl2F2)	1	0.440	PPBV	2.18	ug/m3
4	Target	76-14-2	Freon 114 (C2Cl2F4)	1		PPBV		ug/m3
5	Target	74-87-3	Chloromethane	1	0.973	PPBV	2.01	ug/m3
6	Target	75-01-4	Chloroethene (Vinyl chloride)	1		PPBV		ug/m3
7	Target	106-99-0	1,3-Butadiene	1		PPBV		ug/m3
8	Target	74-83-9	Bromomethane	1		PPBV		ug/m3
9	Target	75-00-3	Chloroethane	1		PPBV		ug/m3
10	Target	593-60-2	Bromoethene (Vinyl bromide)	1		PPBV		ug/m3
11	Target	75-69-4	Freon 11 (CCl3F)	1	0.211	PPBV	1.19	ug/m3
12	Target	64-17-5	Ethanol	1	2.81	PPBV	5.29	ug/m3
13	Target	107-02-8	Acrolein	1	0.214	PPBV	0.491	ug/m3
14	Target	76-13-1	Freon 113 (C2Cl3F3)	1	0.0843	PPBV	0.646	ug/m3
15	Target	75-35-4	1,1-Dichloroethene	1		PPBV		ug/m3
16	Target	67-64-1	Acetone	1	3.43	PPBV	8.16	ug/m3
17	Target	75-15-0	Carbon disulfide	1		PPBV		ug/m3
18	Target	67-63-0	Isopropyl alcohol	1	0.411	PPBV	1.01	ug/m3
19	Target	107-05-1	Allyl chloride (3-chloropropene)	1		PPBV		ug/m3
20	Target	75-05-8	Acetonitrile	1	0.658	PPBV	1.10	ug/m3
21	Target	75-09-2	Methylene chloride	1		PPBV		ug/m3
22	Target	156-60-5	trans-1,2-Dichloroethene	1		PPBV		ug/m3
23	Target	1634-04-4	Methyl tert-butyl ether	1		PPBV		ug/m3
24	Target	107-13-1	Acrylonitrile	1		PPBV		ug/m3
25	Target	110-54-3	Hexane	1	0.194	PPBV	0.684	ug/m3
26	Target	75-34-3	1,1-Dichloroethane	1		PPBV		ug/m3
27	Target	108-05-4	Vinyl acetate	1		PPBV		ug/m3
28	Target	156-59-2	cis-1,2-Dichloroethene	1		PPBV		ug/m3
29	Target	78-93-3	Methyl ethyl ketone (2-Butanone)	1	0.244	PPBV	0.720	ug/m3
30	Target	141-78-6	Ethyl acetate	1	1.04	PPBV	3.74	ug/m3
31	Target	67-66-3	Chloroform	1		PPBV		ug/m3
32	Target	109-99-9	Tetrahydrofuran	1		PPBV		ug/m3
33	Target	71-55-6	1,1,1-Trichloroethane	1		PPBV		ug/m3
34	Target	110-82-7	Cyclohexane	1		PPBV		ug/m3
35	Target	56-23-5	Carbon tetrachloride	1	0.0853	PPBV	0.536	ug/m3
36	Target	71-43-2	Benzene	1	0.266	PPBV	0.851	ug/m3
37	Target	540-84-1	2,2,4-trimethylpentane	1		PPBV		ug/m3
38	Target	107-06-2	1,2-Dichloroethane	1		PPBV		ug/m3
39	Target	142-82-5	Heptane	1	0.0990	PPBV	0.406	ug/m3
40	Target	79-01-6	Trichloroethene	1		PPBV		ug/m3
41	Target	78-87-5	1,2-Dichloropropane	1		PPBV		ug/m3

	K	L	M	N	O	P	Q	R
42	Target	80-62-6	Methyl methacrylate	1		PPBV		ug/m3
43	Target	123-91-1	1,4-Dioxane	1		PPBV		ug/m3
44	Target	75-27-4	Bromodichloromethane	1		PPBV		ug/m3
45	Target	10061-01-5	cis-1,3-Dichloropropene	1		PPBV		ug/m3
46	Target	108-10-1	Methyl isobutyl ketone	1	0.119	PPBV	0.486	ug/m3
47	Target	108-88-3	Toluene	1	0.595	PPBV	2.24	ug/m3
48	Target	10061-02-6	trans-1,3-Dichloropropene	1		PPBV		ug/m3
49	Target	79-00-5	1,1,2-Trichloroethane	1		PPBV		ug/m3
50	Target	127-18-4	Tetrachloroethene	1		PPBV		ug/m3
51	Target	591-78-6	2-Hexanone (Methyl butyl ketone)	1		PPBV		ug/m3
52	Target	124-48-1	Dibromochloromethane	1		PPBV		ug/m3
53	Target	106-93-4	1,2-Dibromoethane	1		PPBV		ug/m3
54	Target	108-90-7	Chlorobenzene	1		PPBV		ug/m3
55	Target	100-41-4	Ethylbenzene	1	0.115	PPBV	0.499	ug/m3
56	Target	630-20-6	1,1,1,2-Tetrachloroethane	1		PPBV		ug/m3
57	Target	108-38-3 &/ 106-42	m-/p-Xylenes	1	0.239	PPBV	1.04	ug/m3
58	Target	95-47-6	o-Xylene	1	0.0981	PPBV	0.426	ug/m3
59	Target	100-42-5	Styrene	1		PPBV		ug/m3
60	Target	75-25-2	Bromoform	1		PPBV		ug/m3
61	Target	79-34-5	1,1,2,2-Tetrachloroethane	1		PPBV		ug/m3
62	Target	622-96-8	4-Ethyltoluene	1		PPBV		ug/m3
63	Target	95-49-8	2-Chlorotoluene	1		PPBV		ug/m3
64	Target	108-67-8	1,3,5-Trimethylbenzene	1		PPBV		ug/m3
65	Target	95-63-6	1,2,4-Trimethylbenzene	1	0.0978	PPBV	0.481	ug/m3
66	Target	541-73-1	1,3-Dichlorobenzene	1		PPBV		ug/m3
67	Target	106-46-7	1,4-Dichlorobenzene	1		PPBV		ug/m3
68	Target	100-44-7	Benzyl chloride	1		PPBV		ug/m3
69	Target	95-50-1	1,2-Dichlorobenzene	1		PPBV		ug/m3
70	Target	120-82-1	1,2,4-Trichlorobenzene	1		PPBV		ug/m3
71	Target	87-68-3	Hexachlorobutadiene	1		PPBV		ug/m3
72	Target	91-20-3	Naphthalene	1	0.112	PPBV	0.585	ug/m3
73	Target	106-94-5	1-Bromopropane	1		PPBV		ug/m3
74	Target	111-66-0	1-Octene	1		PPBV		ug/m3
75	Target	111-65-9	n-Octane	1		PPBV		ug/m3
76	Target	98-82-8	Isopropylbenzene	1		PPBV		ug/m3
77	Target	103-65-1	n-Propylbenzene	1		PPBV		ug/m3
78	Target	115-07-1	Propylene	1	1.81	PPBV	3.12	ug/m3
79	Target	75-71-8	Freon 12 (CCl2F2)	1	0.442	PPBV	2.19	ug/m3
80	Target	76-14-2	Freon 114 (C2Cl2F4)	1		PPBV		ug/m3
81	Target	74-87-3	Chloromethane	1	2.15	PPBV	4.44	ug/m3
82	Target	75-01-4	Chloroethene (Vinyl chloride)	1		PPBV		ug/m3
83	Target	106-99-0	1,3-Butadiene	1	0.0816	PPBV	0.180	ug/m3

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	K	L	M	N	O	P	Q	R
84	Target	74-83-9	Bromomethane	1		PPBV		ug/m3
85	Target	75-00-3	Chloroethane	1		PPBV		ug/m3
86	Target	593-60-2	Bromoethene (Vinyl bromide)	1		PPBV		ug/m3
87	Target	75-69-4	Freon 11 (CCl3F)	1	0.204	PPBV	1.14	ug/m3
88	Target	64-17-5	Ethanol	1	2.15	PPBV	4.05	ug/m3
89	Target	107-02-8	Acrolein	1	0.189	PPBV	0.432	ug/m3
90	Target	76-13-1	Freon 113 (C2Cl3F3)	1	0.0765	PPBV	0.587	ug/m3
91	Target	75-35-4	1,1-Dichloroethene	1		PPBV		ug/m3
92	Target	67-64-1	Acetone	1	2.93	PPBV	6.97	ug/m3
93	Target	75-15-0	Carbon disulfide	1	0.0920	PPBV	0.287	ug/m3
94	Target	67-63-0	Isopropyl alcohol	1	0.726	PPBV	1.78	ug/m3
95	Target	107-05-1	Allyl chloride (3-chloropropene)	1		PPBV		ug/m3
96	Target	75-05-8	Acetonitrile	1	0.461	PPBV	0.775	ug/m3
97	Target	75-09-2	Methylene chloride	1		PPBV		ug/m3
98	Target	156-60-5	trans-1,2-Dichloroethene	1		PPBV		ug/m3
99	Target	1634-04-4	Methyl tert-butyl ether	1		PPBV		ug/m3
100	Target	107-13-1	Acrylonitrile	1		PPBV		ug/m3
101	Target	110-54-3	Hexane	1	0.265	PPBV	0.932	ug/m3
102	Target	75-34-3	1,1-Dichloroethane	1		PPBV		ug/m3
103	Target	108-05-4	Vinyl acetate	1		PPBV		ug/m3
104	Target	156-59-2	cis-1,2-Dichloroethene	1		PPBV		ug/m3
105	Target	78-93-3	Methyl ethyl ketone (2-Butanone)	1	0.261	PPBV	0.770	ug/m3
106	Target	141-78-6	Ethyl acetate	1	1.59	PPBV	5.72	ug/m3
107	Target	67-66-3	Chloroform	1		PPBV		ug/m3
108	Target	109-99-9	Tetrahydrofuran	1	0.102	PPBV	0.300	ug/m3
109	Target	71-55-6	1,1,1-Trichloroethane	1		PPBV		ug/m3
110	Target	110-82-7	Cyclohexane	1		PPBV		ug/m3
111	Target	56-23-5	Carbon tetrachloride	1	0.0772	PPBV	0.485	ug/m3
112	Target	71-43-2	Benzene	1	0.834	PPBV	2.66	ug/m3
113	Target	540-84-1	2,2,4-trimethylpentane	1		PPBV		ug/m3
114	Target	107-06-2	1,2-Dichloroethane	1		PPBV		ug/m3
115	Target	142-82-5	Heptane	1	0.175	PPBV	0.716	ug/m3
116	Target	79-01-6	Trichloroethene	1		PPBV		ug/m3
117	Target	78-87-5	1,2-Dichloropropane	1		PPBV		ug/m3
118	Target	80-62-6	Methyl methacrylate	1		PPBV		ug/m3
119	Target	123-91-1	1,4-Dioxane	1		PPBV		ug/m3
120	Target	75-27-4	Bromodichloromethane	1		PPBV		ug/m3
121	Target	10061-01-5	cis-1,3-Dichloropropene	1		PPBV		ug/m3
122	Target	108-10-1	Methyl isobutyl ketone	1		PPBV		ug/m3
123	Target	108-88-3	Toluene	1	0.664	PPBV	2.50	ug/m3
124	Target	10061-02-6	trans-1,3-Dichloropropene	1		PPBV		ug/m3
125	Target	79-00-5	1,1,2-Trichloroethane	1		PPBV		ug/m3

	K	L	M	N	O	P	Q	R
126	Target	127-18-4	Tetrachloroethene	1		PPBV		ug/m3
127	Target	591-78-6	2-Hexanone (Methyl butyl ketone)	1	0.0774	PPBV	0.317	ug/m3
128	Target	124-48-1	Dibromochloromethane	1		PPBV		ug/m3
129	Target	106-93-4	1,2-Dibromoethane	1		PPBV		ug/m3
130	Target	108-90-7	Chlorobenzene	1		PPBV		ug/m3
131	Target	100-41-4	Ethylbenzene	1	0.337	PPBV	1.46	ug/m3
132	Target	630-20-6	1,1,1,2-Tetrachloroethane	1		PPBV		ug/m3
133	Target	108-38-3 &/ 106-42	m-/p-Xylenes	1	0.236	PPBV	1.02	ug/m3
134	Target	95-47-6	o-Xylene	1	0.107	PPBV	0.465	ug/m3
135	Target	100-42-5	Styrene	1	0.297	PPBV	1.27	ug/m3
136	Target	75-25-2	Bromoform	1		PPBV		ug/m3
137	Target	79-34-5	1,1,2,2-Tetrachloroethane	1		PPBV		ug/m3
138	Target	622-96-8	4-Ethyltoluene	1		PPBV		ug/m3
139	Target	95-49-8	2-Chlorotoluene	1		PPBV		ug/m3
140	Target	108-67-8	1,3,5-Trimethylbenzene	1		PPBV		ug/m3
141	Target	95-63-6	1,2,4-Trimethylbenzene	1	0.0902	PPBV	0.443	ug/m3
142	Target	541-73-1	1,3-Dichlorobenzene	1		PPBV		ug/m3
143	Target	106-46-7	1,4-Dichlorobenzene	1		PPBV		ug/m3
144	Target	100-44-7	Benzyl chloride	1		PPBV		ug/m3
145	Target	95-50-1	1,2-Dichlorobenzene	1		PPBV		ug/m3
146	Target	120-82-1	1,2,4-Trichlorobenzene	1		PPBV		ug/m3
147	Target	87-68-3	Hexachlorobutadiene	1		PPBV		ug/m3
148	Target	91-20-3	Naphthalene	1	0.0781	PPBV	0.409	ug/m3
149	Target	106-94-5	1-Bromopropane	1		PPBV		ug/m3
150	Target	111-66-0	1-Octene	1		PPBV		ug/m3
151	Target	111-65-9	n-Octane	1		PPBV		ug/m3
152	Target	98-82-8	Isopropylbenzene	1	0.125	PPBV	0.617	ug/m3
153	Target	103-65-1	n-Propylbenzene	1		PPBV		ug/m3
154	Target	115-07-1	Propylene	1	4.02	PPBV	6.92	ug/m3
155	Target	75-71-8	Freon 12 (CCl2F2)	1	0.435	PPBV	2.15	ug/m3
156	Target	76-14-2	Freon 114 (C2Cl2F4)	1		PPBV		ug/m3
157	Target	74-87-3	Chloromethane	1	4.40	PPBV	9.08	ug/m3
158	Target	75-01-4	Chloroethene (Vinyl chloride)	1		PPBV		ug/m3
159	Target	106-99-0	1,3-Butadiene	1	0.216	PPBV	0.479	ug/m3
160	Target	74-83-9	Bromomethane	1		PPBV		ug/m3
161	Target	75-00-3	Chloroethane	1		PPBV		ug/m3
162	Target	593-60-2	Bromoethene (Vinyl bromide)	1		PPBV		ug/m3
163	Target	75-69-4	Freon 11 (CCl3F)	1	0.210	PPBV	1.18	ug/m3
164	Target	64-17-5	Ethanol	1	3.26	PPBV	6.15	ug/m3
165	Target	107-02-8	Acrolein	1	0.290	PPBV	0.666	ug/m3
166	Target	76-13-1	Freon 113 (C2Cl3F3)	1	0.0776	PPBV	0.595	ug/m3
167	Target	75-35-4	1,1-Dichloroethene	1		PPBV		ug/m3

LIMs Export Table Quant Report

	K	L	M	N	O	P	Q	R
168	Target	67-64-1	Acetone	1	6.07	PPBV	14.4	ug/m3
169	Target	75-15-0	Carbon disulfide	1	0.164	PPBV	0.511	ug/m3
170	Target	67-63-0	Isopropyl alcohol	1	0.293	PPBV	0.720	ug/m3
171	Target	107-05-1	Allyl chloride (3-chloropropene)	1		PPBV		ug/m3
172	Target	75-05-8	Acetonitrile	1	1.13	PPBV	1.89	ug/m3
173	Target	75-09-2	Methylene chloride	1	0.259	PPBV	0.901	ug/m3
174	Target	156-60-5	trans-1,2-Dichloroethene	1		PPBV		ug/m3
175	Target	1634-04-4	Methyl tert-butyl ether	1		PPBV		ug/m3
176	Target	107-13-1	Acrylonitrile	1		PPBV		ug/m3
177	Target	110-54-3	Hexane	1	0.397	PPBV	1.40	ug/m3
178	Target	75-34-3	1,1-Dichloroethane	1		PPBV		ug/m3
179	Target	108-05-4	Vinyl acetate	1		PPBV		ug/m3
180	Target	156-59-2	cis-1,2-Dichloroethene	1		PPBV		ug/m3
181	Target	78-93-3	Methyl ethyl ketone (2-Butanone)	1	0.416	PPBV	1.23	ug/m3
182	Target	141-78-6	Ethyl acetate	1	0.0818	PPBV	0.295	ug/m3
183	Target	67-66-3	Chloroform	1		PPBV		ug/m3
184	Target	109-99-9	Tetrahydrofuran	1	0.161	PPBV	0.474	ug/m3
185	Target	71-55-6	1,1,1-Trichloroethane	1		PPBV		ug/m3
186	Target	110-82-7	Cyclohexane	1	0.0748	PPBV	0.257	ug/m3
187	Target	56-23-5	Carbon tetrachloride	1	0.0794	PPBV	0.499	ug/m3
188	Target	71-43-2	Benzene	1	2.14	PPBV	6.82	ug/m3
189	Target	540-84-1	2,2,4-trimethylpentane	1	0.0931	PPBV	0.435	ug/m3
190	Target	107-06-2	1,2-Dichloroethane	1		PPBV		ug/m3
191	Target	142-82-5	Heptane	1	0.238	PPBV	0.977	ug/m3
192	Target	79-01-6	Trichloroethene	1		PPBV		ug/m3
193	Target	78-87-5	1,2-Dichloropropane	1		PPBV		ug/m3
194	Target	80-62-6	Methyl methacrylate	1		PPBV		ug/m3
195	Target	123-91-1	1,4-Dioxane	1	0.0778	PPBV	0.280	ug/m3
196	Target	75-27-4	Bromodichloromethane	1		PPBV		ug/m3
197	Target	10061-01-5	cis-1,3-Dichloropropene	1		PPBV		ug/m3
198	Target	108-10-1	Methyl isobutyl ketone	1		PPBV		ug/m3
199	Target	108-88-3	Toluene	1	1.15	PPBV	4.33	ug/m3
200	Target	10061-02-6	trans-1,3-Dichloropropene	1		PPBV		ug/m3
201	Target	79-00-5	1,1,2-Trichloroethane	1		PPBV		ug/m3
202	Target	127-18-4	Tetrachloroethene	1		PPBV		ug/m3
203	Target	591-78-6	2-Hexanone (Methyl butyl ketone)	1		PPBV		ug/m3
204	Target	124-48-1	Dibromochloromethane	1		PPBV		ug/m3
205	Target	106-93-4	1,2-Dibromoethane	1		PPBV		ug/m3
206	Target	108-90-7	Chlorobenzene	1		PPBV		ug/m3
207	Target	100-41-4	Ethylbenzene	1	0.716	PPBV	3.11	ug/m3
208	Target	630-20-6	1,1,1,2-Tetrachloroethane	1		PPBV		ug/m3
209	Target	108-38-3 &/ 106-42	m-/p-Xylenes	1	0.291	PPBV	1.26	ug/m3

	K	L	M	N	O	P	Q	R
210	Target	95-47-6	o-Xylene	1	0.152	PPBV	0.661	ug/m3
211	Target	100-42-5	Styrene	1	0.777	PPBV	3.31	ug/m3
212	Target	75-25-2	Bromoform	1		PPBV		ug/m3
213	Target	79-34-5	1,1,2,2-Tetrachloroethane	1		PPBV		ug/m3
214	Target	622-96-8	4-Ethyltoluene	1		PPBV		ug/m3
215	Target	95-49-8	2-Chlorotoluene	1		PPBV		ug/m3
216	Target	108-67-8	1,3,5-Trimethylbenzene	1		PPBV		ug/m3
217	Target	95-63-6	1,2,4-Trimethylbenzene	1	0.102	PPBV	0.500	ug/m3
218	Target	541-73-1	1,3-Dichlorobenzene	1		PPBV		ug/m3
219	Target	106-46-7	1,4-Dichlorobenzene	1		PPBV		ug/m3
220	Target	100-44-7	Benzyl chloride	1		PPBV		ug/m3
221	Target	95-50-1	1,2-Dichlorobenzene	1		PPBV		ug/m3
222	Target	120-82-1	1,2,4-Trichlorobenzene	1		PPBV		ug/m3
223	Target	87-68-3	Hexachlorobutadiene	1		PPBV		ug/m3
224	Target	91-20-3	Naphthalene	1	0.111	PPBV	0.584	ug/m3
225	Target	106-94-5	1-Bromopropane	1		PPBV		ug/m3
226	Target	111-66-0	1-Octene	1		PPBV		ug/m3
227	Target	111-65-9	n-Octane	1	0.0875	PPBV	0.409	ug/m3
228	Target	98-82-8	Isopropylbenzene	1	0.216	PPBV	1.06	ug/m3
229	Target	103-65-1	n-Propylbenzene	1		PPBV		ug/m3
230	Target	115-07-1	Propylene	1	4.29	PPBV	7.39	ug/m3
231	Target	75-71-8	Freon 12 (CCl2F2)	1	0.432	PPBV	2.14	ug/m3
232	Target	76-14-2	Freon 114 (C2Cl2F4)	1		PPBV		ug/m3
233	Target	74-87-3	Chloromethane	1	4.01	PPBV	8.29	ug/m3
234	Target	75-01-4	Chloroethene (Vinyl chloride)	1		PPBV		ug/m3
235	Target	106-99-0	1,3-Butadiene	1	0.248	PPBV	0.549	ug/m3
236	Target	74-83-9	Bromomethane	1		PPBV		ug/m3
237	Target	75-00-3	Chloroethane	1		PPBV		ug/m3
238	Target	593-60-2	Bromoethene (Vinyl bromide)	1		PPBV		ug/m3
239	Target	75-69-4	Freon 11 (CCl3F)	1	0.205	PPBV	1.15	ug/m3
240	Target	64-17-5	Ethanol	1	3.12	PPBV	5.87	ug/m3
241	Target	107-02-8	Acrolein	1	0.280	PPBV	0.643	ug/m3
242	Target	76-13-1	Freon 113 (C2Cl3F3)	1	0.0767	PPBV	0.588	ug/m3
243	Target	75-35-4	1,1-Dichloroethene	1		PPBV		ug/m3
244	Target	67-64-1	Acetone	1	3.90	PPBV	9.27	ug/m3
245	Target	75-15-0	Carbon disulfide	1	0.110	PPBV	0.342	ug/m3
246	Target	67-63-0	Isopropyl alcohol	1	0.245	PPBV	0.602	ug/m3
247	Target	107-05-1	Allyl chloride (3-chloropropene)	1		PPBV		ug/m3
248	Target	75-05-8	Acetonitrile	1	0.709	PPBV	1.19	ug/m3
249	Target	75-09-2	Methylene chloride	1		PPBV		ug/m3
250	Target	156-60-5	trans-1,2-Dichloroethene	1		PPBV		ug/m3
251	Target	1634-04-4	Methyl tert-butyl ether	1		PPBV		ug/m3

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	K	L	M	N	O	P	Q	R
252	Target	107-13-1	Acrylonitrile	1		PPBV		ug/m3
253	Target	110-54-3	Hexane	1	0.339	PPBV	1.20	ug/m3
254	Target	75-34-3	1,1-Dichloroethane	1		PPBV		ug/m3
255	Target	108-05-4	Vinyl acetate	1		PPBV		ug/m3
256	Target	156-59-2	cis-1,2-Dichloroethene	1		PPBV		ug/m3
257	Target	78-93-3	Methyl ethyl ketone (2-Butanone)	1	0.427	PPBV	1.26	ug/m3
258	Target	141-78-6	Ethyl acetate	1		PPBV		ug/m3
259	Target	67-66-3	Chloroform	1		PPBV		ug/m3
260	Target	109-99-9	Tetrahydrofuran	1	0.166	PPBV	0.489	ug/m3
261	Target	71-55-6	1,1,1-Trichloroethane	1		PPBV		ug/m3
262	Target	110-82-7	Cyclohexane	1		PPBV		ug/m3
263	Target	56-23-5	Carbon tetrachloride	1	0.0754	PPBV	0.475	ug/m3
264	Target	71-43-2	Benzene	1	2.26	PPBV	7.21	ug/m3
265	Target	540-84-1	2,2,4-trimethylpentane	1	0.0782	PPBV	0.365	ug/m3
266	Target	107-06-2	1,2-Dichloroethane	1		PPBV		ug/m3
267	Target	142-82-5	Heptane	1	0.246	PPBV	1.01	ug/m3
268	Target	79-01-6	Trichloroethene	1		PPBV		ug/m3
269	Target	78-87-5	1,2-Dichloropropane	1		PPBV		ug/m3
270	Target	80-62-6	Methyl methacrylate	1		PPBV		ug/m3
271	Target	123-91-1	1,4-Dioxane	1	0.0813	PPBV	0.293	ug/m3
272	Target	75-27-4	Bromodichloromethane	1		PPBV		ug/m3
273	Target	10061-01-5	cis-1,3-Dichloropropene	1		PPBV		ug/m3
274	Target	108-10-1	Methyl isobutyl ketone	1		PPBV		ug/m3
275	Target	108-88-3	Toluene	1	1.17	PPBV	4.41	ug/m3
276	Target	10061-02-6	trans-1,3-Dichloropropene	1		PPBV		ug/m3
277	Target	79-00-5	1,1,2-Trichloroethane	1		PPBV		ug/m3
278	Target	127-18-4	Tetrachloroethene	1	0.238	PPBV	1.62	ug/m3
279	Target	591-78-6	2-Hexanone (Methyl butyl ketone)	1	0.184	PPBV	0.755	ug/m3
280	Target	124-48-1	Dibromochloromethane	1		PPBV		ug/m3
281	Target	106-93-4	1,2-Dibromoethane	1		PPBV		ug/m3
282	Target	108-90-7	Chlorobenzene	1		PPBV		ug/m3
283	Target	100-41-4	Ethylbenzene	1	0.730	PPBV	3.17	ug/m3
284	Target	630-20-6	1,1,1,2-Tetrachloroethane	1		PPBV		ug/m3
285	Target	108-38-3 &/ 106-42	m-/p-Xylenes	1	0.380	PPBV	1.65	ug/m3
286	Target	95-47-6	o-Xylene	1	0.168	PPBV	0.731	ug/m3
287	Target	100-42-5	Styrene	1	0.801	PPBV	3.41	ug/m3
288	Target	75-25-2	Bromoform	1		PPBV		ug/m3
289	Target	79-34-5	1,1,2,2-Tetrachloroethane	1		PPBV		ug/m3
290	Target	622-96-8	4-Ethyltoluene	1		PPBV		ug/m3
291	Target	95-49-8	2-Chlorotoluene	1		PPBV		ug/m3
292	Target	108-67-8	1,3,5-Trimethylbenzene	1		PPBV		ug/m3
293	Target	95-63-6	1,2,4-Trimethylbenzene	1	0.108	PPBV	0.531	ug/m3

	K	L	M	N	O	P	Q	R
294	Target	541-73-1	1,3-Dichlorobenzene	1		PPBV		ug/m3
295	Target	106-46-7	1,4-Dichlorobenzene	1		PPBV		ug/m3
296	Target	100-44-7	Benzyl chloride	1		PPBV		ug/m3
297	Target	95-50-1	1,2-Dichlorobenzene	1		PPBV		ug/m3
298	Target	120-82-1	1,2,4-Trichlorobenzene	1		PPBV		ug/m3
299	Target	87-68-3	Hexachlorobutadiene	1		PPBV		ug/m3
300	Target	91-20-3	Naphthalene	1	0.113	PPBV	0.591	ug/m3
301	Target	106-94-5	1-Bromopropane	1		PPBV		ug/m3
302	Target	111-66-0	1-Octene	1		PPBV		ug/m3
303	Target	111-65-9	n-Octane	1	0.0910	PPBV	0.425	ug/m3
304	Target	98-82-8	Isopropylbenzene	1	0.213	PPBV	1.05	ug/m3
305	Target	103-65-1	n-Propylbenzene	1		PPBV		ug/m3

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	S	T	U	V	W	X	Y	Z
1	MDL	MDL_UNITS	MDL2	MDL2_UNITS	RL	RL_UNITS	RL2	RL2_UNITS
2	0.0767	PPBV	0.132	ug/m3	0.0841	PPBV	0.145	ug/m3
3	0.0767	PPBV	0.379	ug/m3	0.0856	PPBV	0.423	ug/m3
4	0.0767	PPBV	0.536	ug/m3	0.0878	PPBV	0.614	ug/m3
5	0.0767	PPBV	0.158	ug/m3	0.0855	PPBV	0.177	ug/m3
6	0.0767	PPBV	0.196	ug/m3	0.0882	PPBV	0.225	ug/m3
7	0.0767	PPBV	0.170	ug/m3	0.0857	PPBV	0.190	ug/m3
8	0.0767	PPBV	0.298	ug/m3	0.0867	PPBV	0.337	ug/m3
9	0.0767	PPBV	0.202	ug/m3	0.0884	PPBV	0.233	ug/m3
10	0.0767	PPBV	0.336	ug/m3	0.0874	PPBV	0.382	ug/m3
11	0.0767	PPBV	0.431	ug/m3	0.0910	PPBV	0.511	ug/m3
12	0.0877	PPBV	0.165	ug/m3	0.219	PPBV	0.413	ug/m3
13	0.0767	PPBV	0.176	ug/m3	0.0871	PPBV	0.200	ug/m3
14	0.0767	PPBV	0.588	ug/m3	0.0872	PPBV	0.669	ug/m3
15	0.0767	PPBV	0.304	ug/m3	0.0878	PPBV	0.348	ug/m3
16	0.0767	PPBV	0.182	ug/m3	0.0881	PPBV	0.209	ug/m3
17	0.0767	PPBV	0.239	ug/m3	0.0880	PPBV	0.274	ug/m3
18	0.0767	PPBV	0.189	ug/m3	0.0880	PPBV	0.216	ug/m3
19	0.0767	PPBV	0.240	ug/m3	0.0882	PPBV	0.276	ug/m3
20	0.0767	PPBV	0.129	ug/m3	0.0881	PPBV	0.148	ug/m3
21	0.222	PPBV	0.771	ug/m3	0.222	PPBV	0.771	ug/m3
22	0.0767	PPBV	0.304	ug/m3	0.0893	PPBV	0.354	ug/m3
23	0.0767	PPBV	0.277	ug/m3	0.0898	PPBV	0.324	ug/m3
24	0.0767	PPBV	0.167	ug/m3	0.0896	PPBV	0.194	ug/m3
25	0.0767	PPBV	0.270	ug/m3	0.0886	PPBV	0.312	ug/m3
26	0.0767	PPBV	0.311	ug/m3	0.0864	PPBV	0.350	ug/m3
27	0.0767	PPBV	0.270	ug/m3	0.0892	PPBV	0.314	ug/m3
28	0.0767	PPBV	0.304	ug/m3	0.0883	PPBV	0.350	ug/m3
29	0.0767	PPBV	0.226	ug/m3	0.0891	PPBV	0.263	ug/m3
30	0.0767	PPBV	0.276	ug/m3	0.0883	PPBV	0.318	ug/m3
31	0.0767	PPBV	0.375	ug/m3	0.0886	PPBV	0.433	ug/m3
32	0.0767	PPBV	0.226	ug/m3	0.0885	PPBV	0.261	ug/m3
33	0.0767	PPBV	0.419	ug/m3	0.0872	PPBV	0.476	ug/m3
34	0.0767	PPBV	0.264	ug/m3	0.0892	PPBV	0.307	ug/m3
35	0.0767	PPBV	0.483	ug/m3	0.0887	PPBV	0.558	ug/m3
36	0.0767	PPBV	0.245	ug/m3	0.0875	PPBV	0.280	ug/m3
37	0.0767	PPBV	0.358	ug/m3	0.0899	PPBV	0.420	ug/m3
38	0.0767	PPBV	0.311	ug/m3	0.0896	PPBV	0.363	ug/m3
39	0.0767	PPBV	0.314	ug/m3	0.0881	PPBV	0.361	ug/m3
40	0.0767	PPBV	0.412	ug/m3	0.0880	PPBV	0.473	ug/m3
41	0.0767	PPBV	0.355	ug/m3	0.0896	PPBV	0.414	ug/m3

	S	T	U	V	W	X	Y	Z
42	0.0767	PPBV	0.314	ug/m3	0.0909	PPBV	0.372	ug/m3
43	0.0767	PPBV	0.276	ug/m3	0.0886	PPBV	0.319	ug/m3
44	0.0767	PPBV	0.514	ug/m3	0.0871	PPBV	0.583	ug/m3
45	0.0767	PPBV	0.348	ug/m3	0.0862	PPBV	0.391	ug/m3
46	0.0767	PPBV	0.314	ug/m3	0.0904	PPBV	0.370	ug/m3
47	0.0767	PPBV	0.289	ug/m3	0.0891	PPBV	0.336	ug/m3
48	0.0767	PPBV	0.348	ug/m3	0.0891	PPBV	0.404	ug/m3
49	0.0767	PPBV	0.419	ug/m3	0.0879	PPBV	0.479	ug/m3
50	0.0767	PPBV	0.520	ug/m3	0.0885	PPBV	0.600	ug/m3
51	0.0767	PPBV	0.314	ug/m3	0.0891	PPBV	0.365	ug/m3
52	0.0767	PPBV	0.654	ug/m3	0.0865	PPBV	0.737	ug/m3
53	0.0767	PPBV	0.589	ug/m3	0.0888	PPBV	0.682	ug/m3
54	0.0767	PPBV	0.353	ug/m3	0.0902	PPBV	0.415	ug/m3
55	0.0767	PPBV	0.333	ug/m3	0.0863	PPBV	0.375	ug/m3
56	0.0767	PPBV	0.527	ug/m3	0.0877	PPBV	0.602	ug/m3
57	0.0767	PPBV	0.333	ug/m3	0.0888	PPBV	0.386	ug/m3
58	0.0767	PPBV	0.333	ug/m3	0.0876	PPBV	0.380	ug/m3
59	0.0767	PPBV	0.327	ug/m3	0.0854	PPBV	0.364	ug/m3
60	0.0767	PPBV	0.793	ug/m3	0.0880	PPBV	0.910	ug/m3
61	0.0767	PPBV	0.527	ug/m3	0.0877	PPBV	0.602	ug/m3
62	0.0767	PPBV	0.377	ug/m3	0.0883	PPBV	0.434	ug/m3
63	0.0767	PPBV	0.397	ug/m3	0.0883	PPBV	0.457	ug/m3
64	0.0767	PPBV	0.377	ug/m3	0.0879	PPBV	0.432	ug/m3
65	0.0767	PPBV	0.377	ug/m3	0.0872	PPBV	0.428	ug/m3
66	0.0767	PPBV	0.461	ug/m3	0.0885	PPBV	0.532	ug/m3
67	0.0767	PPBV	0.461	ug/m3	0.0879	PPBV	0.529	ug/m3
68	0.0767	PPBV	0.397	ug/m3	0.0875	PPBV	0.453	ug/m3
69	0.0767	PPBV	0.461	ug/m3	0.0893	PPBV	0.537	ug/m3
70	0.0767	PPBV	0.569	ug/m3	0.0890	PPBV	0.660	ug/m3
71	0.0767	PPBV	0.818	ug/m3	0.0879	PPBV	0.937	ug/m3
72	0.0767	PPBV	0.402	ug/m3	0.0907	PPBV	0.476	ug/m3
73	0.0767	PPBV	0.386	ug/m3	0.0866	PPBV	0.436	ug/m3
74	0.0767	PPBV	0.352	ug/m3	0.0858	PPBV	0.394	ug/m3
75	0.0767	PPBV	0.358	ug/m3	0.0879	PPBV	0.410	ug/m3
76	0.0767	PPBV	0.377	ug/m3	0.0890	PPBV	0.438	ug/m3
77	0.0767	PPBV	0.377	ug/m3	0.0892	PPBV	0.438	ug/m3
78	0.0706	PPBV	0.121	ug/m3	0.0773	PPBV	0.133	ug/m3
79	0.0706	PPBV	0.349	ug/m3	0.0787	PPBV	0.389	ug/m3
80	0.0706	PPBV	0.493	ug/m3	0.0807	PPBV	0.564	ug/m3
81	0.0706	PPBV	0.146	ug/m3	0.0786	PPBV	0.162	ug/m3
82	0.0706	PPBV	0.180	ug/m3	0.0811	PPBV	0.207	ug/m3
83	0.0706	PPBV	0.156	ug/m3	0.0788	PPBV	0.174	ug/m3

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	S	T	U	V	W	X	Y	Z
84	0.0706	PPBV	0.274	ug/m3	0.0798	PPBV	0.310	ug/m3
85	0.0706	PPBV	0.186	ug/m3	0.0813	PPBV	0.214	ug/m3
86	0.0706	PPBV	0.309	ug/m3	0.0804	PPBV	0.352	ug/m3
87	0.0706	PPBV	0.396	ug/m3	0.0837	PPBV	0.470	ug/m3
88	0.0806	PPBV	0.152	ug/m3	0.202	PPBV	0.380	ug/m3
89	0.0706	PPBV	0.162	ug/m3	0.0801	PPBV	0.184	ug/m3
90	0.0706	PPBV	0.541	ug/m3	0.0802	PPBV	0.615	ug/m3
91	0.0706	PPBV	0.280	ug/m3	0.0807	PPBV	0.320	ug/m3
92	0.0706	PPBV	0.168	ug/m3	0.0810	PPBV	0.193	ug/m3
93	0.0706	PPBV	0.220	ug/m3	0.0810	PPBV	0.252	ug/m3
94	0.0706	PPBV	0.173	ug/m3	0.0810	PPBV	0.199	ug/m3
95	0.0706	PPBV	0.221	ug/m3	0.0811	PPBV	0.254	ug/m3
96	0.0706	PPBV	0.118	ug/m3	0.0810	PPBV	0.136	ug/m3
97	0.204	PPBV	0.709	ug/m3	0.204	PPBV	0.709	ug/m3
98	0.0706	PPBV	0.280	ug/m3	0.0822	PPBV	0.326	ug/m3
99	0.0706	PPBV	0.254	ug/m3	0.0826	PPBV	0.298	ug/m3
100	0.0706	PPBV	0.153	ug/m3	0.0824	PPBV	0.179	ug/m3
101	0.0706	PPBV	0.249	ug/m3	0.0815	PPBV	0.287	ug/m3
102	0.0706	PPBV	0.286	ug/m3	0.0794	PPBV	0.321	ug/m3
103	0.0706	PPBV	0.248	ug/m3	0.0820	PPBV	0.289	ug/m3
104	0.0706	PPBV	0.280	ug/m3	0.0812	PPBV	0.322	ug/m3
105	0.0706	PPBV	0.208	ug/m3	0.0819	PPBV	0.242	ug/m3
106	0.0706	PPBV	0.254	ug/m3	0.0812	PPBV	0.293	ug/m3
107	0.0706	PPBV	0.345	ug/m3	0.0815	PPBV	0.398	ug/m3
108	0.0706	PPBV	0.208	ug/m3	0.0814	PPBV	0.240	ug/m3
109	0.0706	PPBV	0.385	ug/m3	0.0802	PPBV	0.438	ug/m3
110	0.0706	PPBV	0.243	ug/m3	0.0820	PPBV	0.282	ug/m3
111	0.0706	PPBV	0.444	ug/m3	0.0816	PPBV	0.513	ug/m3
112	0.0706	PPBV	0.225	ug/m3	0.0805	PPBV	0.257	ug/m3
113	0.0706	PPBV	0.330	ug/m3	0.0827	PPBV	0.386	ug/m3
114	0.0706	PPBV	0.286	ug/m3	0.0824	PPBV	0.334	ug/m3
115	0.0706	PPBV	0.289	ug/m3	0.0810	PPBV	0.332	ug/m3
116	0.0706	PPBV	0.379	ug/m3	0.0810	PPBV	0.435	ug/m3
117	0.0706	PPBV	0.326	ug/m3	0.0824	PPBV	0.381	ug/m3
118	0.0706	PPBV	0.289	ug/m3	0.0836	PPBV	0.342	ug/m3
119	0.0706	PPBV	0.254	ug/m3	0.0815	PPBV	0.294	ug/m3
120	0.0706	PPBV	0.473	ug/m3	0.0801	PPBV	0.537	ug/m3
121	0.0706	PPBV	0.320	ug/m3	0.0793	PPBV	0.360	ug/m3
122	0.0706	PPBV	0.289	ug/m3	0.0831	PPBV	0.341	ug/m3
123	0.0706	PPBV	0.266	ug/m3	0.0819	PPBV	0.309	ug/m3
124	0.0706	PPBV	0.320	ug/m3	0.0819	PPBV	0.372	ug/m3
125	0.0706	PPBV	0.385	ug/m3	0.0808	PPBV	0.441	ug/m3

	S	T	U	V	W	X	Y	Z
126	0.0706	PPBV	0.479	ug/m3	0.0814	PPBV	0.552	ug/m3
127	0.0706	PPBV	0.289	ug/m3	0.0819	PPBV	0.336	ug/m3
128	0.0706	PPBV	0.601	ug/m3	0.0796	PPBV	0.678	ug/m3
129	0.0706	PPBV	0.542	ug/m3	0.0817	PPBV	0.628	ug/m3
130	0.0706	PPBV	0.325	ug/m3	0.0830	PPBV	0.382	ug/m3
131	0.0706	PPBV	0.306	ug/m3	0.0793	PPBV	0.345	ug/m3
132	0.0706	PPBV	0.484	ug/m3	0.0806	PPBV	0.554	ug/m3
133	0.0706	PPBV	0.306	ug/m3	0.0817	PPBV	0.355	ug/m3
134	0.0706	PPBV	0.306	ug/m3	0.0806	PPBV	0.350	ug/m3
135	0.0706	PPBV	0.301	ug/m3	0.0785	PPBV	0.335	ug/m3
136	0.0706	PPBV	0.729	ug/m3	0.0810	PPBV	0.837	ug/m3
137	0.0706	PPBV	0.484	ug/m3	0.0806	PPBV	0.554	ug/m3
138	0.0706	PPBV	0.347	ug/m3	0.0812	PPBV	0.399	ug/m3
139	0.0706	PPBV	0.365	ug/m3	0.0812	PPBV	0.420	ug/m3
140	0.0706	PPBV	0.347	ug/m3	0.0809	PPBV	0.398	ug/m3
141	0.0706	PPBV	0.347	ug/m3	0.0802	PPBV	0.394	ug/m3
142	0.0706	PPBV	0.424	ug/m3	0.0814	PPBV	0.489	ug/m3
143	0.0706	PPBV	0.424	ug/m3	0.0809	PPBV	0.486	ug/m3
144	0.0706	PPBV	0.365	ug/m3	0.0805	PPBV	0.417	ug/m3
145	0.0706	PPBV	0.424	ug/m3	0.0822	PPBV	0.494	ug/m3
146	0.0706	PPBV	0.524	ug/m3	0.0818	PPBV	0.607	ug/m3
147	0.0706	PPBV	0.753	ug/m3	0.0808	PPBV	0.862	ug/m3
148	0.0706	PPBV	0.370	ug/m3	0.0835	PPBV	0.438	ug/m3
149	0.0706	PPBV	0.355	ug/m3	0.0797	PPBV	0.401	ug/m3
150	0.0706	PPBV	0.324	ug/m3	0.0789	PPBV	0.362	ug/m3
151	0.0706	PPBV	0.330	ug/m3	0.0808	PPBV	0.378	ug/m3
152	0.0706	PPBV	0.347	ug/m3	0.0818	PPBV	0.402	ug/m3
153	0.0706	PPBV	0.347	ug/m3	0.0820	PPBV	0.403	ug/m3
154	0.0698	PPBV	0.120	ug/m3	0.0765	PPBV	0.132	ug/m3
155	0.0698	PPBV	0.345	ug/m3	0.0779	PPBV	0.385	ug/m3
156	0.0698	PPBV	0.488	ug/m3	0.0799	PPBV	0.558	ug/m3
157	0.0698	PPBV	0.144	ug/m3	0.0778	PPBV	0.161	ug/m3
158	0.0698	PPBV	0.178	ug/m3	0.0803	PPBV	0.205	ug/m3
159	0.0698	PPBV	0.154	ug/m3	0.0780	PPBV	0.172	ug/m3
160	0.0698	PPBV	0.271	ug/m3	0.0789	PPBV	0.306	ug/m3
161	0.0698	PPBV	0.184	ug/m3	0.0804	PPBV	0.212	ug/m3
162	0.0698	PPBV	0.305	ug/m3	0.0796	PPBV	0.348	ug/m3
163	0.0698	PPBV	0.392	ug/m3	0.0828	PPBV	0.465	ug/m3
164	0.0798	PPBV	0.150	ug/m3	0.200	PPBV	0.376	ug/m3
165	0.0698	PPBV	0.160	ug/m3	0.0792	PPBV	0.182	ug/m3
166	0.0698	PPBV	0.535	ug/m3	0.0794	PPBV	0.608	ug/m3
167	0.0698	PPBV	0.277	ug/m3	0.0799	PPBV	0.317	ug/m3

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	S	T	U	V	W	X	Y	Z
168	0.0698	PPBV	0.166	ug/m3	0.0802	PPBV	0.191	ug/m3
169	0.0698	PPBV	0.217	ug/m3	0.0801	PPBV	0.250	ug/m3
170	0.0698	PPBV	0.172	ug/m3	0.0801	PPBV	0.197	ug/m3
171	0.0698	PPBV	0.219	ug/m3	0.0803	PPBV	0.251	ug/m3
172	0.0698	PPBV	0.117	ug/m3	0.0802	PPBV	0.135	ug/m3
173	0.202	PPBV	0.702	ug/m3	0.202	PPBV	0.702	ug/m3
174	0.0698	PPBV	0.277	ug/m3	0.0813	PPBV	0.322	ug/m3
175	0.0698	PPBV	0.252	ug/m3	0.0817	PPBV	0.295	ug/m3
176	0.0698	PPBV	0.152	ug/m3	0.0816	PPBV	0.177	ug/m3
177	0.0698	PPBV	0.246	ug/m3	0.0807	PPBV	0.284	ug/m3
178	0.0698	PPBV	0.283	ug/m3	0.0786	PPBV	0.318	ug/m3
179	0.0698	PPBV	0.246	ug/m3	0.0812	PPBV	0.286	ug/m3
180	0.0698	PPBV	0.277	ug/m3	0.0804	PPBV	0.319	ug/m3
181	0.0698	PPBV	0.206	ug/m3	0.0811	PPBV	0.239	ug/m3
182	0.0698	PPBV	0.252	ug/m3	0.0804	PPBV	0.290	ug/m3
183	0.0698	PPBV	0.341	ug/m3	0.0807	PPBV	0.394	ug/m3
184	0.0698	PPBV	0.206	ug/m3	0.0805	PPBV	0.237	ug/m3
185	0.0698	PPBV	0.381	ug/m3	0.0794	PPBV	0.433	ug/m3
186	0.0698	PPBV	0.240	ug/m3	0.0812	PPBV	0.279	ug/m3
187	0.0698	PPBV	0.439	ug/m3	0.0808	PPBV	0.508	ug/m3
188	0.0698	PPBV	0.223	ug/m3	0.0796	PPBV	0.254	ug/m3
189	0.0698	PPBV	0.326	ug/m3	0.0818	PPBV	0.382	ug/m3
190	0.0698	PPBV	0.283	ug/m3	0.0816	PPBV	0.330	ug/m3
191	0.0698	PPBV	0.286	ug/m3	0.0802	PPBV	0.329	ug/m3
192	0.0698	PPBV	0.375	ug/m3	0.0801	PPBV	0.431	ug/m3
193	0.0698	PPBV	0.323	ug/m3	0.0816	PPBV	0.377	ug/m3
194	0.0698	PPBV	0.286	ug/m3	0.0828	PPBV	0.339	ug/m3
195	0.0698	PPBV	0.252	ug/m3	0.0807	PPBV	0.291	ug/m3
196	0.0698	PPBV	0.468	ug/m3	0.0792	PPBV	0.531	ug/m3
197	0.0698	PPBV	0.317	ug/m3	0.0784	PPBV	0.356	ug/m3
198	0.0698	PPBV	0.286	ug/m3	0.0823	PPBV	0.337	ug/m3
199	0.0698	PPBV	0.263	ug/m3	0.0811	PPBV	0.306	ug/m3
200	0.0698	PPBV	0.317	ug/m3	0.0811	PPBV	0.368	ug/m3
201	0.0698	PPBV	0.381	ug/m3	0.0800	PPBV	0.436	ug/m3
202	0.0698	PPBV	0.474	ug/m3	0.0805	PPBV	0.546	ug/m3
203	0.0698	PPBV	0.286	ug/m3	0.0811	PPBV	0.332	ug/m3
204	0.0698	PPBV	0.595	ug/m3	0.0788	PPBV	0.671	ug/m3
205	0.0698	PPBV	0.536	ug/m3	0.0808	PPBV	0.621	ug/m3
206	0.0698	PPBV	0.321	ug/m3	0.0821	PPBV	0.378	ug/m3
207	0.0698	PPBV	0.303	ug/m3	0.0785	PPBV	0.341	ug/m3
208	0.0698	PPBV	0.479	ug/m3	0.0798	PPBV	0.548	ug/m3
209	0.0698	PPBV	0.303	ug/m3	0.0808	PPBV	0.351	ug/m3

	S	T	U	V	W	X	Y	Z
210	0.0698	PPBV	0.303	ug/m3	0.0797	PPBV	0.346	ug/m3
211	0.0698	PPBV	0.297	ug/m3	0.0777	PPBV	0.331	ug/m3
212	0.0698	PPBV	0.722	ug/m3	0.0801	PPBV	0.828	ug/m3
213	0.0698	PPBV	0.479	ug/m3	0.0798	PPBV	0.548	ug/m3
214	0.0698	PPBV	0.343	ug/m3	0.0804	PPBV	0.395	ug/m3
215	0.0698	PPBV	0.361	ug/m3	0.0804	PPBV	0.416	ug/m3
216	0.0698	PPBV	0.343	ug/m3	0.0800	PPBV	0.393	ug/m3
217	0.0698	PPBV	0.343	ug/m3	0.0793	PPBV	0.390	ug/m3
218	0.0698	PPBV	0.420	ug/m3	0.0805	PPBV	0.484	ug/m3
219	0.0698	PPBV	0.420	ug/m3	0.0800	PPBV	0.481	ug/m3
220	0.0698	PPBV	0.361	ug/m3	0.0796	PPBV	0.412	ug/m3
221	0.0698	PPBV	0.420	ug/m3	0.0813	PPBV	0.489	ug/m3
222	0.0698	PPBV	0.518	ug/m3	0.0810	PPBV	0.601	ug/m3
223	0.0698	PPBV	0.745	ug/m3	0.0800	PPBV	0.853	ug/m3
224	0.0698	PPBV	0.366	ug/m3	0.0826	PPBV	0.433	ug/m3
225	0.0698	PPBV	0.351	ug/m3	0.0788	PPBV	0.397	ug/m3
226	0.0698	PPBV	0.321	ug/m3	0.0780	PPBV	0.358	ug/m3
227	0.0698	PPBV	0.326	ug/m3	0.0800	PPBV	0.374	ug/m3
228	0.0698	PPBV	0.343	ug/m3	0.0810	PPBV	0.398	ug/m3
229	0.0698	PPBV	0.343	ug/m3	0.0812	PPBV	0.399	ug/m3
230	0.0722	PPBV	0.124	ug/m3	0.0792	PPBV	0.136	ug/m3
231	0.0722	PPBV	0.357	ug/m3	0.0806	PPBV	0.398	ug/m3
232	0.0722	PPBV	0.505	ug/m3	0.0826	PPBV	0.578	ug/m3
233	0.0722	PPBV	0.149	ug/m3	0.0805	PPBV	0.166	ug/m3
234	0.0722	PPBV	0.185	ug/m3	0.0831	PPBV	0.212	ug/m3
235	0.0722	PPBV	0.160	ug/m3	0.0807	PPBV	0.178	ug/m3
236	0.0722	PPBV	0.281	ug/m3	0.0817	PPBV	0.317	ug/m3
237	0.0722	PPBV	0.191	ug/m3	0.0832	PPBV	0.220	ug/m3
238	0.0722	PPBV	0.316	ug/m3	0.0823	PPBV	0.360	ug/m3
239	0.0722	PPBV	0.406	ug/m3	0.0857	PPBV	0.481	ug/m3
240	0.0826	PPBV	0.156	ug/m3	0.206	PPBV	0.389	ug/m3
241	0.0722	PPBV	0.166	ug/m3	0.0820	PPBV	0.188	ug/m3
242	0.0722	PPBV	0.554	ug/m3	0.0821	PPBV	0.630	ug/m3
243	0.0722	PPBV	0.286	ug/m3	0.0826	PPBV	0.328	ug/m3
244	0.0722	PPBV	0.172	ug/m3	0.0830	PPBV	0.197	ug/m3
245	0.0722	PPBV	0.225	ug/m3	0.0829	PPBV	0.258	ug/m3
246	0.0722	PPBV	0.178	ug/m3	0.0829	PPBV	0.204	ug/m3
247	0.0722	PPBV	0.226	ug/m3	0.0831	PPBV	0.260	ug/m3
248	0.0722	PPBV	0.121	ug/m3	0.0830	PPBV	0.139	ug/m3
249	0.209	PPBV	0.726	ug/m3	0.209	PPBV	0.726	ug/m3
250	0.0722	PPBV	0.286	ug/m3	0.0841	PPBV	0.334	ug/m3
251	0.0722	PPBV	0.260	ug/m3	0.0845	PPBV	0.305	ug/m3

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	S	T	U	V	W	X	Y	Z
252	0.0722	PPBV	0.157	ug/m3	0.0844	PPBV	0.183	ug/m3
253	0.0722	PPBV	0.255	ug/m3	0.0835	PPBV	0.294	ug/m3
254	0.0722	PPBV	0.292	ug/m3	0.0813	PPBV	0.329	ug/m3
255	0.0722	PPBV	0.254	ug/m3	0.0840	PPBV	0.296	ug/m3
256	0.0722	PPBV	0.286	ug/m3	0.0831	PPBV	0.330	ug/m3
257	0.0722	PPBV	0.213	ug/m3	0.0839	PPBV	0.247	ug/m3
258	0.0722	PPBV	0.260	ug/m3	0.0831	PPBV	0.300	ug/m3
259	0.0722	PPBV	0.353	ug/m3	0.0835	PPBV	0.408	ug/m3
260	0.0722	PPBV	0.213	ug/m3	0.0833	PPBV	0.246	ug/m3
261	0.0722	PPBV	0.394	ug/m3	0.0821	PPBV	0.448	ug/m3
262	0.0722	PPBV	0.249	ug/m3	0.0840	PPBV	0.289	ug/m3
263	0.0722	PPBV	0.454	ug/m3	0.0836	PPBV	0.526	ug/m3
264	0.0722	PPBV	0.231	ug/m3	0.0824	PPBV	0.263	ug/m3
265	0.0722	PPBV	0.337	ug/m3	0.0846	PPBV	0.395	ug/m3
266	0.0722	PPBV	0.292	ug/m3	0.0844	PPBV	0.342	ug/m3
267	0.0722	PPBV	0.296	ug/m3	0.0830	PPBV	0.340	ug/m3
268	0.0722	PPBV	0.388	ug/m3	0.0829	PPBV	0.445	ug/m3
269	0.0722	PPBV	0.334	ug/m3	0.0844	PPBV	0.390	ug/m3
270	0.0722	PPBV	0.296	ug/m3	0.0856	PPBV	0.351	ug/m3
271	0.0722	PPBV	0.260	ug/m3	0.0835	PPBV	0.301	ug/m3
272	0.0722	PPBV	0.484	ug/m3	0.0820	PPBV	0.549	ug/m3
273	0.0722	PPBV	0.328	ug/m3	0.0812	PPBV	0.368	ug/m3
274	0.0722	PPBV	0.296	ug/m3	0.0851	PPBV	0.349	ug/m3
275	0.0722	PPBV	0.272	ug/m3	0.0839	PPBV	0.316	ug/m3
276	0.0722	PPBV	0.328	ug/m3	0.0839	PPBV	0.381	ug/m3
277	0.0722	PPBV	0.394	ug/m3	0.0827	PPBV	0.451	ug/m3
278	0.0722	PPBV	0.490	ug/m3	0.0833	PPBV	0.565	ug/m3
279	0.0722	PPBV	0.296	ug/m3	0.0839	PPBV	0.344	ug/m3
280	0.0722	PPBV	0.615	ug/m3	0.0815	PPBV	0.694	ug/m3
281	0.0722	PPBV	0.555	ug/m3	0.0836	PPBV	0.643	ug/m3
282	0.0722	PPBV	0.333	ug/m3	0.0850	PPBV	0.391	ug/m3
283	0.0722	PPBV	0.314	ug/m3	0.0812	PPBV	0.353	ug/m3
284	0.0722	PPBV	0.496	ug/m3	0.0826	PPBV	0.567	ug/m3
285	0.0722	PPBV	0.314	ug/m3	0.0836	PPBV	0.363	ug/m3
286	0.0722	PPBV	0.314	ug/m3	0.0825	PPBV	0.358	ug/m3
287	0.0722	PPBV	0.308	ug/m3	0.0804	PPBV	0.343	ug/m3
288	0.0722	PPBV	0.747	ug/m3	0.0829	PPBV	0.857	ug/m3
289	0.0722	PPBV	0.496	ug/m3	0.0826	PPBV	0.567	ug/m3
290	0.0722	PPBV	0.355	ug/m3	0.0831	PPBV	0.409	ug/m3
291	0.0722	PPBV	0.374	ug/m3	0.0831	PPBV	0.430	ug/m3
292	0.0722	PPBV	0.355	ug/m3	0.0828	PPBV	0.407	ug/m3
293	0.0722	PPBV	0.355	ug/m3	0.0821	PPBV	0.403	ug/m3

	S	T	U	V	W	X	Y	Z
294	0.0722	PPBV	0.434	ug/m3	0.0833	PPBV	0.501	ug/m3
295	0.0722	PPBV	0.434	ug/m3	0.0828	PPBV	0.498	ug/m3
296	0.0722	PPBV	0.374	ug/m3	0.0824	PPBV	0.427	ug/m3
297	0.0722	PPBV	0.434	ug/m3	0.0841	PPBV	0.506	ug/m3
298	0.0722	PPBV	0.536	ug/m3	0.0838	PPBV	0.622	ug/m3
299	0.0722	PPBV	0.770	ug/m3	0.0827	PPBV	0.882	ug/m3
300	0.0722	PPBV	0.379	ug/m3	0.0854	PPBV	0.448	ug/m3
301	0.0722	PPBV	0.363	ug/m3	0.0816	PPBV	0.410	ug/m3
302	0.0722	PPBV	0.332	ug/m3	0.0807	PPBV	0.371	ug/m3
303	0.0722	PPBV	0.338	ug/m3	0.0827	PPBV	0.386	ug/m3
304	0.0722	PPBV	0.355	ug/m3	0.0838	PPBV	0.412	ug/m3
305	0.0722	PPBV	0.355	ug/m3	0.0840	PPBV	0.413	ug/m3

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	AA	AB	AC	AD	AE
1	LAB_FLAGS	DETECT_FLAG	SAMPLE_MATRIX		
2		Y	AIR		
3		Y	AIR		
4	ND	N	AIR		
5		Y	AIR		
6	ND	N	AIR		
7	ND	N	AIR		
8	ND	N	AIR		
9	ND	N	AIR		
10	ND	N	AIR		
11		Y	AIR		
12		Y	AIR		
13		Y	AIR		
14	J	Y	AIR		
15	ND	N	AIR		
16		Y	AIR		
17	ND	N	AIR		
18		Y	AIR		
19	ND	N	AIR		
20		Y	AIR		
21	ND	N	AIR		
22	ND	N	AIR		
23	ND	N	AIR		
24	ND	N	AIR		
25		Y	AIR		
26	ND	N	AIR		
27	ND	N	AIR		
28	ND	N	AIR		
29		Y	AIR		
30		Y	AIR		
31	ND	N	AIR		
32	ND	N	AIR		
33	ND	N	AIR		
34	ND	N	AIR		
35	J	Y	AIR		
36		Y	AIR		
37	ND	N	AIR		
38	ND	N	AIR		
39		Y	AIR		
40	ND	N	AIR		
41	ND	N	AIR		

	AA	AB	AC	AD	AE
42	ND	N	AIR		
43	ND	N	AIR		
44	ND	N	AIR		
45	ND	N	AIR		
46		Y	AIR		
47		Y	AIR		
48	ND	N	AIR		
49	ND	N	AIR		
50	ND	N	AIR		
51	ND	N	AIR		
52	ND	N	AIR		
53	ND	N	AIR		
54	ND	N	AIR		
55		Y	AIR		
56	ND	N	AIR		
57		Y	AIR		
58		Y	AIR		
59	ND	N	AIR		
60	ND	N	AIR		
61	ND	N	AIR		
62	ND	N	AIR		
63	ND	N	AIR		
64	ND	N	AIR		
65		Y	AIR		
66	ND	N	AIR		
67	ND	N	AIR		
68	ND	N	AIR		
69	ND	N	AIR		
70	ND	N	AIR		
71	ND	N	AIR		
72		Y	AIR		
73	ND	N	AIR		
74	ND	N	AIR		
75	ND	N	AIR		
76	ND	N	AIR		
77	ND	N	AIR		
78		Y	AIR		
79		Y	AIR		
80	ND	N	AIR		
81		Y	AIR		
82	ND	N	AIR		
83		Y	AIR		

LIMs Export Table Quant Report

	AA	AB	AC	AD	AE
84	ND	N	AIR		
85	ND	N	AIR		
86	ND	N	AIR		
87		Y	AIR		
88		Y	AIR		
89		Y	AIR		
90	J	Y	AIR		
91	ND	N	AIR		
92		Y	AIR		
93		Y	AIR		
94		Y	AIR		
95	ND	N	AIR		
96		Y	AIR		
97	ND	N	AIR		
98	ND	N	AIR		
99	ND	N	AIR		
100	ND	N	AIR		
101		Y	AIR		
102	ND	N	AIR		
103	ND	N	AIR		
104	ND	N	AIR		
105		Y	AIR		
106		Y	AIR		
107	ND	N	AIR		
108		Y	AIR		
109	ND	N	AIR		
110	ND	N	AIR		
111	J	Y	AIR		
112		Y	AIR		
113	ND	N	AIR		
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115		Y	AIR		
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117	ND	N	AIR		
118	ND	N	AIR		
119	ND	N	AIR		
120	ND	N	AIR		
121	ND	N	AIR		
122	ND	N	AIR		
123		Y	AIR		
124	ND	N	AIR		
125	ND	N	AIR		

	AA	AB	AC	AD	AE
126	ND	N	AIR		
127	J	Y	AIR		
128	ND	N	AIR		
129	ND	N	AIR		
130	ND	N	AIR		
131		Y	AIR		
132	ND	N	AIR		
133		Y	AIR		
134		Y	AIR		
135		Y	AIR		
136	ND	N	AIR		
137	ND	N	AIR		
138	ND	N	AIR		
139	ND	N	AIR		
140	ND	N	AIR		
141		Y	AIR		
142	ND	N	AIR		
143	ND	N	AIR		
144	ND	N	AIR		
145	ND	N	AIR		
146	ND	N	AIR		
147	ND	N	AIR		
148	J	Y	AIR		
149	ND	N	AIR		
150	ND	N	AIR		
151	ND	N	AIR		
152		Y	AIR		
153	ND	N	AIR		
154		Y	AIR		
155		Y	AIR		
156	ND	N	AIR		
157		Y	AIR		
158	ND	N	AIR		
159		Y	AIR		
160	ND	N	AIR		
161	ND	N	AIR		
162	ND	N	AIR		
163		Y	AIR		
164		Y	AIR		
165		Y	AIR		
166	J	Y	AIR		
167	ND	N	AIR		

LIMs Export Table Quant Report

	AA	AB	AC	AD	AE
168		Y	AIR		
169		Y	AIR		
170		Y	AIR		
171	ND	N	AIR		
172		Y	AIR		
173		Y	AIR		
174	ND	N	AIR		
175	ND	N	AIR		
176	ND	N	AIR		
177		Y	AIR		
178	ND	N	AIR		
179	ND	N	AIR		
180	ND	N	AIR		
181		Y	AIR		
182		Y	AIR		
183	ND	N	AIR		
184		Y	AIR		
185	ND	N	AIR		
186	J	Y	AIR		
187	J	Y	AIR		
188		Y	AIR		
189		Y	AIR		
190	ND	N	AIR		
191		Y	AIR		
192	ND	N	AIR		
193	ND	N	AIR		
194	ND	N	AIR		
195	J	Y	AIR		
196	ND	N	AIR		
197	ND	N	AIR		
198	ND	N	AIR		
199		Y	AIR		
200	ND	N	AIR		
201	ND	N	AIR		
202	ND	N	AIR		
203	ND	N	AIR		
204	ND	N	AIR		
205	ND	N	AIR		
206	ND	N	AIR		
207		Y	AIR		
208	ND	N	AIR		
209		Y	AIR		

	AA	AB	AC	AD	AE
210		Y	AIR		
211		Y	AIR		
212	ND	N	AIR		
213	ND	N	AIR		
214	ND	N	AIR		
215	ND	N	AIR		
216	ND	N	AIR		
217		Y	AIR		
218	ND	N	AIR		
219	ND	N	AIR		
220	ND	N	AIR		
221	ND	N	AIR		
222	ND	N	AIR		
223	ND	N	AIR		
224		Y	AIR		
225	ND	N	AIR		
226	ND	N	AIR		
227		Y	AIR		
228		Y	AIR		
229	ND	N	AIR		
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231		Y	AIR		
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235		Y	AIR		
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237	ND	N	AIR		
238	ND	N	AIR		
239		Y	AIR		
240		Y	AIR		
241		Y	AIR		
242	J	Y	AIR		
243	ND	N	AIR		
244		Y	AIR		
245		Y	AIR		
246		Y	AIR		
247	ND	N	AIR		
248		Y	AIR		
249	ND	N	AIR		
250	ND	N	AIR		
251	ND	N	AIR		

LIMs Export Table Quant Report

	AA	AB	AC	AD	AE
252	ND	N	AIR		
253		Y	AIR		
254	ND	N	AIR		
255	ND	N	AIR		
256	ND	N	AIR		
257		Y	AIR		
258	ND	N	AIR		
259	ND	N	AIR		
260		Y	AIR		
261	ND	N	AIR		
262	ND	N	AIR		
263	J	Y	AIR		
264		Y	AIR		
265	J	Y	AIR		
266	ND	N	AIR		
267		Y	AIR		
268	ND	N	AIR		
269	ND	N	AIR		
270	ND	N	AIR		
271	J	Y	AIR		
272	ND	N	AIR		
273	ND	N	AIR		
274	ND	N	AIR		
275		Y	AIR		
276	ND	N	AIR		
277	ND	N	AIR		
278		Y	AIR		
279		Y	AIR		
280	ND	N	AIR		
281	ND	N	AIR		
282	ND	N	AIR		
283		Y	AIR		
284	ND	N	AIR		
285		Y	AIR		
286		Y	AIR		
287		Y	AIR		
288	ND	N	AIR		
289	ND	N	AIR		
290	ND	N	AIR		
291	ND	N	AIR		
292	ND	N	AIR		
293		Y	AIR		

	AA	AB	AC	AD	AE
294	ND	N	AIR		
295	ND	N	AIR		
296	ND	N	AIR		
297	ND	N	AIR		
298	ND	N	AIR		
299	ND	N	AIR		
300		Y	AIR		
301	ND	N	AIR		
302	ND	N	AIR		
303		Y	AIR		
304		Y	AIR		
305	ND	N	AIR		

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 8:58:12 PM
To: Miller, Angela <Miller.Angela@epa.gov>; Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Subject: Fwd: Thursday sampling event near ABEL Contracting Site

Could somebody edit relocation list to reflect these well locations? Thanks

Sent from my iPhone

Begin forwarded message:

From: "Hornosky, Minda" <hornosms@dhec.sc.gov>
To: "Spurlin, Steve" <Spurlin.Steve@epa.gov>
Cc: "Stewart, R. Gary" <stewarrg@dhec.sc.gov>
Subject: Fw: Thursday sampling event near ABEL Contracting Site

private well sampling locations as requested

Minda Hornosky, Hydrogeologist

Project Manager

State Remediation Section

Bureau of Land and Waste Management

S.C. Dept. of Health & Environmental Control

Office: (803) 898-2459
Fax: (803) 898-1297
Connect: www.scdhec.gov Facebook Twitter

From: Stewart, R. Gary <stewarrg@dhec.sc.gov>
Sent: Wednesday, August 28, 2019 11:35 AM
To: Hornosky, Minda <hornosms@dhec.sc.gov>
Subject: Fw: Thursday sampling event near ABEL Contracting Site

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent on: Wednesday, August 28, 2019 9:17:16 PM
To: Snyder, John <John.Snyder@tetratech.com>
Subject: i had to edit this. Please print
Attachments: Able Contracting Fire ICS 205A Communications Plan (21AUG19-24AUG19 Ops Period).xls (36.5 KB)

Steve Spurlin
Federal On-Scene Coordinator
U S EPA, Region 4
Ed Jones Federal Bldg, B-13
109 S. Highland Ave
Jackson, TN 38301
Spurlin.Steve@epa.gov
731 394-8996

1. Incident Name	2. Operational Period (Date/Time)		INCIDENT COMMUNICATIONS PLAN ICS-205A
Able Contracting Fire	From: 08/28/2019	0700	
	To: 09/05/2019	0700	

Communications Contact List

Name	Position	Phone Number (Cell)	Agency / Affiliation	Email Address
Steve Spurlin	IC	731-394-8996	USEPA	spurlin.steve@epa.gov
Bret Tindol	Safety Officer	251-234-1826	USCG	
Eddie Gallegos	Assistant Safety Officer	251-285-8026	USCG	
Charles Smith	Assistant Safety Officer	251-487-6681	USCG	
Ron Tolliver	Information Officer	404-852-9751	USEPA	tolliver.ronald@epa.gov
Angela Miller	Liaison Officer	678-575-8132	USEPA	miller.angela@epa.gov
Terrence Byrd	Operations Section Chief			
Rick Holllingsworth	Fire Mitigation Group	859-333-3644	ERRS	cmcrickh@aol.com
Courtney Swanson	Deputy Operations Section Chief	470-728-8238	USEPA	swanson.courtney@epa.gov
Paul Prys	Air Monitoring Team Leader	404-849-7136	START	paul.prys@tetratech.com
Chris Jones	Air Monitoring Team	404-395-5220	START	chris.jones@tetratech.com
Laura Lawrence	Air Monitoring Team (Night Ops)	678-910-7933	START	laura.lawrence@tetratech.com
John Snyder	Air Monitoring Team	770-402-9013	START	john.snyder@tetratech.com
David Reed	Air Monitoring Team	803-238-5485	START	david.reed@tetratech.com
John Kinsey	Fire Safety team Leader	843-991-0376	Envirosmart	john.kinsey@envirosmart.us
Bryan Snow	Enviro/Equip Ops Team	843-609-6681	Envirosmart	bryan@envirosmart.us
SCDHEC				
Derrick Stanley	IC	803-917-8338	SCDHEC	
Keith Frost	DHEC Air Monitring Team	803-465-1529	SCDHEC	frostrk@dhec.sc.gov
Paul Lee	DHEC	803-429-7624	SCDHEC	
Jesse McWilliams	DHEC	803-429-7627	SCDHEC	
David Ziegler	DHEC	803-240-1818	SCDHEC	
Dana Cook	DHEC	803-960-0574	SCDHEC	
Henry Porter	DHEC	803-360-6423	SCDHEC	porterhj@dhec.sc.gov
Jasper County				
Shannon Smith	Jasper County			
Russell Wells	Jasper County Emergency Services	843-263-1316	EMA	rwells@jaspercountysc.gov
On Call Batallion Chief	Jasper County Fire Deparment	843-305-0265	FD	
Lee Gramling	Santee Cooper, Line Spotter	843-312-2126	Santee Cooper	Lsgramli@santeecooper.com
Frank Edwards	Fire Chief	843-929-9054	Jasper County	fedwards@jaspercountysc.gov
Sun City Security	Residential Community	803-705-4083	Jasper County	

Prepared By:		(Date/Time)
Name, Position:	Subash Patel, Planning	Signature:

From: Snyder, John <John.Snyder@tetratech.com>
Sent on: Wednesday, August 28, 2019 9:56:22 PM
To: Byrd, Terrence <Byrd.Terrence@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: new summary table
Attachments: Proposed new data summary table.pdf (133.98 KB)

For your review...

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | **Tetra Tech** EMI
Raleigh, NC (Cary) | tetratech.com

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Please consider the environment before printing. Read more

TETRA TECH

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: ***8/27/19 7:00*** ***To:*** ***8/28/19 7:00***

On Site, Southwest Corner of Site

Instrument	Analyte	Momentary Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	No	1,379	517	0 - 836 ppb	77.22 ppb	1,000 ppb
	CO	No	No	1,379	14	0 - 6 ppm	0.03 ppm	83 ppm
	H_2S	Yes	No	1,379	17	0 - 3.4 ppm	0.011 ppm	0.5 ppm
	O_2	No	No	1,379	1,379	20.3 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,379	1	0 - 4 %	0 %	10%
	HCN	Yes	No	1,379	943	0 - 22.5 ppm	0.59 ppm	7.1 ppm

Pomona's Cafe Kitchen

Instrument	Analyte	Air Quality Index	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	No	1,460	1,460	1 - 46 µg/m³	3 µg/m³	See SOG #: T106

On Site, Northwest Corner of Site

Instrument	Analyte	Momentary Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	No	1,378	1,272	0 - 532 ppb	164.84 ppb	1,000 ppb
	CO	No	No	1,378	17	0 - 10 ppm	0.06 ppm	83 ppm
	H_2S	Yes	No	1,378	34	0 - 1.1 ppm	0.015 ppm	0.5 ppm
	O_2	No	No	1,378	1,378	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,378	0	0 - 0 %	0 %	10%
	HCN	Yes	No	1,378	801	0 - 9.1 ppm	0.84 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Air Quality Index	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	No	1,455	1,455	3-516 µg/m³	7 µg/m³	See SOG #: T106

Able Contracting Warehouse, Northwest of Site

Instrument	Analyte	Momentary Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	Yes	No	1,378	1,182	0 - 1603 ppb	151.27 ppb	1,000 ppb
	CO	No	No	1,378	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	No	1,378	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	No	1,378	1,378	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,378	0	0 - 0 %	0 %	10%
	HCN	No	No	1,378	2	0 - 0.1 ppm	0 ppm	7.1 ppm

Greek Orthodox Church

Instrument	Analyte	Air Quality Index	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good		1,405	1,405	3 - 40 µg/m³	7 µg/m³	See SOG #: T106

Forward Concrete

Instrument	Analyte	Momentary Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	No	1,382	196	0 - 38 ppb	1.9 ppb	1,000 ppb
	CO	No	No	1,382	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	No	1,382	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	No	1,382	1,382	20.5 - 21.3 %	20.8 %	<19.5 or >23%
	LEL	No	No	1,382	0	0 - 0 %	0 %	10%
	HCN	No	No	1,382	297	0 - 1.2 ppm	0.1 ppm	7.1 ppm

Sun City

Instrument	Analyte	Air Quality Index	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	No	846	244	0 - 106 µg/m³	10.1 µg/m³	See SOG #: T106

Greater Mill Apartments

Instrument	Analyte	Air Quality Index	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	No	1,504	635	0 - 81 µg/m³	8.4 µg/m³	See SOG #: T106

EPA Mobile Command Post

Instrument	Analyte	Air Quality Index	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Good	No	1,498	402	0 - 132 µg/m³	10.0 µg/m³	See SOG #: T106

Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

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From: Tanner, Terry <Tanner.Terry@epa.gov> on behalf of Tanner, Terry
Sent on: Sunday, September 1, 2019 12:50:49 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Re: Able Baker Charlie

Thanks for the summary. It sounds like a good punch list to dump on ops or planning if I can find one. Enjoyed working with you too my friend.

Sent from my iPhone

On Sep 1, 2019, at 8:09 AM, Spurlin, Steve <Spurlin.Steve@epa.gov> wrote:

Thoughts from John Handy:

Decide if you need Strike Team. Mr. Tindel said as much advance time you can give them the better
Decide what other support you may need (ie. START to type updates, sample, etc..)
START needs a ceiling increase asap.
1st round of "clearance" summas deployed 8/31. Discussion has been to do 2 rounds, but I'd talk to Glenn
Reconcile DHEC's emergency order and local emergency order. Ie. DHECs has language requiring certain things. If we close up shop, where does DHECs order stand? Copies of both in plastic file box
Glenn/SS is aware that they are going to have to generate an explanation for the acrylin, H2S and HCN detection issues. We are pulling 3 background location summas to hopefully supply clarity to situation. Turns out acylin likely exists in background above the RML and H2S and HCN detection levels are above RML. Glenn said we'd never do another site w/ acrylin as a "driver"
When you return, we will be out of office and you will be ruling w/ iron fist from in middle area of job trailer
Residents remain relocated. We added Jose ?, so there's 11. I'll have Angela/Ron revise list
DHEC collected well samples Thursday and indicated results back in a week. I'd stay abreast of status as Franklin said to keep residents relocated until well data back.
OPS signed lots of manifests and gave to CMC. Blank manifests in box in job trailer
Think about shrinking air monitoring footprint
Assuming re-mobe, CMC plans to bring another dozer and trackhoe and demobe long reach.
We got rid of vac truck. Plan is to use pump to move water to fracs and then call vac truck when needed to load to sewer

Good working with you

Steve Spurlin
Federal On-Scene Coordinator
U S EPA, Region 4
Ed Jones Federal Bldg, B-13
109 S. Highland Ave
Jackson, TN 38301

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From: Webster, James <Webster.James@epa.gov> on behalf of Webster, James
Sent on: Thursday, August 29, 2019 12:48:32 AM
To: Jenkins, Brandi <Jenkins.Brandi@epa.gov>
CC: Spurlin, Steve <Spurlin.Steve@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>
Subject: Re: Able Contracting

Where is all this misinformation coming from? We are not pulling out this weekend unless evacuating for hurricane. We have in excess of $1 M remaining in task order and are still hauling material off site. We have only been actively fighting fire for about 7 days or so and basically have it out.

Sent from my iPhone

On Aug 28, 2019, at 6:48 PM, Jenkins, Brandi <Jenkins.Brandi@epa.gov> wrote:

> Steve - FYSA. Congressman Cunningham's staffer reached out to EPA DC staff today. See below for overview of the conversation.
>
> Brandi
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Rodrick, Christian" <rodrick.christian@epa.gov>
> > **Date:** August 28, 2019 at 6:10:11 PM EDT
> > **To:** "Ashbee, Blake" <ashbee.blake@epa.gov>, "Jenkins, Brandi" <Jenkins.Brandi@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Myers, Bryan" <Myers.Bryan@epa.gov>
> > **Subject: FW: Able Contracting**
> >
> > Region 4 team,
> >
> > Just got off the phone with the below Cunningham staffer… Any input we have or can provide? Do we know who from EPA is allegedly attending this event/
> >
> > Thanks,
> >
> > *Christian Rodrick*
> > *(202) 564-4828*
> >
> > **From:** Mitchell, RaShawn [mailto:RaShawn.Mitchell@mail.house.gov]
> > **Sent:** Wednesday, August 28, 2019 6:07 PM
> > **To:** Rodrick, Christian <rodrick.christian@epa.gov>

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Thursday, August 29, 2019 12:39:08 AM
To: Jenkins, Brandi <Jenkins.Brandi@epa.gov>
CC: Hill, Franklin <Hill.Franklin@epa.gov>; Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>
Subject: Re: Able Contracting

Thanks for heads up. There are several errors in the statement below related to costs. I will be glad to clarify tomorrow should topic arise during visit.

Sent from my iPhone

On Aug 28, 2019, at 6:48 PM, Jenkins, Brandi <Jenkins.Brandi@epa.gov> wrote:

> Steve - FYSA. Congressman Cunningham's staffer reached out to EPA DC staff today. See below for overview of the conversation.
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> Brandi
>
> Sent from my iPhone
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>
> > **From:** "Rodrick, Christian" <rodrick.christian@epa.gov>
> > **Date:** August 28, 2019 at 6:10:11 PM EDT
> > **To:** "Ashbee, Blake" <ashbee.blake@epa.gov>, "Jenkins, Brandi" <Jenkins.Brandi@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Myers, Bryan" <Myers.Bryan@epa.gov>
> > **Subject: FW: Able Contracting**
> >
> > Region 4 team,
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> > Just got off the phone with the below Cunningham staffer… Any input we have or can provide? Do we know who from EPA is allegedly attending this event/
> >
> > Thanks,
> >
> > *Christian Rodrick*
> > *(202) 564-4828*
> >
> > **From:** Mitchell, RaShawn [mailto:RaShawn.Mitchell@mail.house.gov]
> > **Sent:** Wednesday, August 28, 2019 6:07 PM
> > **To:** Rodrick, Christian <rodrick.christian@epa.gov>
> > **Subject:** Able Contracting

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 8:42:19 PM
To: Jones, Chris <chris.jones@tetratech.com>; Garrard, Jordan <Garrard.Jordan@epa.gov>
CC: Andrew Johnson <andy.johnson@tetratech.com>; Reed, Angel <Angel.Reed@tetratech.com>; Valentino, Renee <Renee.Valentino@tetratech.com>; Hill, Stacy <Hill.Stacy@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; John Snyder <john.snyder@tetratech.com>; Jones, Katrina <Jones.Katrina@epa.gov>
Subject: RE: Able Contracting Fire_TDD No. TT-01-128_75% Notice

We will have approx. $20k in analytical related to "closeout sampling". The approach was developed by coordinated effort between SS/Glenn and START with me adding a smidge. It's a good, but expensive, approach involving roughly 18 summa samples (not 18 locations). We hope to implement this next week, so we will get data back by the time DHEC gets there data back and we'll have most of the story to justify project closeout. I have asked Chris J to provide some cost projection based on 3 weeks.

From: Jones, Chris <chris.jones@tetratech.com>
Sent: Friday, August 30, 2019 3:06 PM
To: Garrard, Jordan <Garrard.Jordan@epa.gov>
Cc: Andrew Johnson <andy.johnson@tetratech.com>; Reed, Angel <Angel.Reed@tetratech.com>; Valentino, Renee <Renee.Valentino@tetratech.com>; Hill, Stacy <Hill.Stacy@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; John Snyder <john.snyder@tetratech.com>; Jones, Katrina <Jones.Katrina@epa.gov>
Subject: Able Contracting Fire_TDD No. TT-01-128_75% Notice

Dear Mr. Garrard,

To meet the requirements of the Superfund Technical Assessment and Response Team (START) IV Contract No. EP-S4-14-03, Tetra Tech is writing to notify you that we have reached 75 percent of the approved funding for the Able Contracting Fire, Technical Direction Document No. TT-01-128.

As of August 30, 2019, the project budget status is as follows:

Current TDD Ceiling	$250,000.00
Funding Expended Through 8/30/2019	$201,000.00
Funding Remaining Through 8/30/2019	**$49,000.00**
Daily Burn Rate (2 field Staff and limited office support)	**$3,800.00**

Additional funds may be needed to complete the remaining task, which include continued field support for up to 3-weeks, additional air sampling (up to 18 samples at $2,000 per sample for VOCs, H_2S, and HCN), preparation of the response report, data validation and management, and project management and RCMS cost tracking activities. Feel free to contact me if you have any questions regarding funding status.

Chris Jones | Readiness Coordinator
Direct **(678) 775-3081** | Main **(678) 775-3080** | Cell **(404) 395-5220** | chris.jones@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | Environmental Services Divisions

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From: Jenkins, Brandi <Jenkins.Brandi@epa.gov> on behalf of Jenkins, Brandi
Sent on: Thursday, August 29, 2019 1:15:28 AM
To: Webster, James <Webster.James@epa.gov>
CC: Spurlin, Steve <Spurlin.Steve@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>
Subject: RE: Able Contracting

I agree that we need to redirect the conversation to reflect an accurate account of our role and current status. I asked Angela and Ron to update our statement so I will check on that; in addition, we can start working on a timeline that we can incorporate into the FAQs Ron is drafting.

Jim and I discussed regrouping after the 9:00 am call tomorrow.

Brandi

From: Webster, James <Webster.James@epa.gov>
Sent: Wednesday, August 28, 2019 8:49 PM
To: Jenkins, Brandi <Jenkins.Brandi@epa.gov>
Cc: Spurlin, Steve <Spurlin.Steve@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>
Subject: Re: Able Contracting

Where is all this misinformation coming from? We are not pulling out this weekend unless evacuating for hurricane. We have in excess of $1 M remaining in task order and are still hauling material off site. We have only been actively fighting fire for about 7 days or so and basically have it out.

Sent from my iPhone

On Aug 28, 2019, at 6:48 PM, Jenkins, Brandi <Jenkins.Brandi@epa.gov> wrote:

> Steve - FYSA. Congressman Cunningham's staffer reached out to EPA DC staff today. See below for overview of the conversation.
>
> Brandi
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Rodrick, Christian" <rodrick.christian@epa.gov>
> > **Date:** August 28, 2019 at 6:10:11 PM EDT
> > **To:** "Ashbee, Blake" <ashbee.blake@epa.gov>, "Jenkins, Brandi" <Jenkins.Brandi@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Myers, Bryan" <Myers.Bryan@epa.gov>
> > **Subject: FW: Able Contracting**
> >
> > Region 4 team,

From: Jones, Chris <chris.jones@tetratech.com>
Sent on: Thursday, August 29, 2019 11:10:25 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: RE: Able costs

Steve,

I'll get you some costs in the morning.

-----Original Message-----
From: Spurlin, Steve [mailto:Spurlin.Steve@epa.gov]
Sent: Thursday, August 29, 2019 6:02 PM
To: Jones, Chris <chris.jones@tetratech.com>
Subject: Able costs

⚠? CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ⚠?

John threw you under bus. Need best costs to date, burn rate, remaining ceiling, number of days it would carry you? Thanks.

Doesn't have to be exact.

Sent from my iPhone

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From: Byrd, Terrence <Byrd.Terrence@epa.gov> on behalf of Byrd, Terrence
Sent on: Wednesday, August 28, 2019 6:36:00 PM
To: reecemc@dhec.sc.gov; Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Porter, Henry <porterhj@dhec.sc.gov>; Swanson, Courtney <Swanson.Courtney@epa.gov>; shealyrg@dhec.sc.gov; Marshall, Frances (Fran) <marshaf2@dhec.sc.gov>
Subject: Re: Able Fire Ops 8/27/19

Myra,

Fifty-one loads of debris have been shipped off-site to the local Waste Management facility. This represents approximately 510 tons of debris removed from the site today. It's anticipated that approximately 60-70 loads will be shipped off site by close of business today.

Strategies to reduce the amount of fire-mitigation water traveling off-site continue to be implemented. Due to the increased efficiency of water use to mitigate the fire, water utilized on-site continues to decrease. Furthermore, fire-mitigation water generated on site continues to be shipped directly to a sanitary sewage system via vacuum trucks.

Air monitoring data continues to show that no off-site exceedances of action levels relative to chemicals of concern are occurring. Furthermore, particulate monitoring shows levels in the good to moderate range. Continuous air-monitoring of workers operating directly on top of and around the debris pile have shown no exceedances of action levels relative to chemicals of concern.

Minimal smoke was noted at the beginning of the operational period (0700 EST) and smoke decreased through the day as crews continued to segregate debris and apply water as needed.

From: Reece, Myra <reecemc@dhec.sc.gov>
Sent: Tuesday, August 27, 2019 8:20:01 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Cc: Porter, Henry <porterhj@dhec.sc.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>; Swanson, Courtney <Swanson.Courtney@epa.gov>; shealyrg@dhec.sc.gov <shealyrg@dhec.sc.gov>; Marshall, Frances (Fran) <marshaf2@dhec.sc.gov>
Subject: Re: Able Fire Ops 8/27/19

Thanks so much Steve!! These have been extremely helpful getting the word out on the progress being made on a daily basis.....if any way possible, would like to receive by 4 pm so we can stay on track with our 5 pm updates. Our local delegation relies on our updates at 5 pm to share with their constituents.....tx!!

Sent from my iPad

On Aug 27, 2019, at 5:08 PM, Spurlin, Steve <Spurlin.Steve@epa.gov> wrote:

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 8:00:08 PM
To: Shealy, Renee <shealyrg@dhec.sc.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>; Swanson, Courtney <Swanson.Courtney@epa.gov>
CC: Porter, Henry <porterhj@dhec.sc.gov>; Marshall, Frances (Fran) <marshaf2@dhec.sc.gov>; reecemc@dhec.sc.gov
Subject: RE: Able Fire Ops 8/28/19

57 loads offsite=538 tons

From: Shealy, Renee <shealyrg@dhec.sc.gov>
Sent: Wednesday, August 28, 2019 2:46 PM
To: Byrd, Terrence <Byrd.Terrence@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>; Swanson, Courtney <Swanson.Courtney@epa.gov>
Cc: Porter, Henry <porterhj@dhec.sc.gov>; Marshall, Frances (Fran) <marshaf2@dhec.sc.gov>; reecemc@dhec.sc.gov
Subject: Re: Able Fire Ops 8/28/19

I apologize if this has already been sent - but can I get the actual number of trucks and tons for 8/27?

From: Byrd, Terrence <Byrd.Terrence@epa.gov>
Sent: Wednesday, August 28, 2019 2:38 PM
To: Reece, Myra <reecemc@dhec.sc.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Cc: Porter, Henry <porterhj@dhec.sc.gov>; Swanson, Courtney <Swanson.Courtney@epa.gov>; Shealy, Renee <shealyrg@dhec.sc.gov>; Marshall, Frances (Fran) <marshaf2@dhec.sc.gov>
Subject: Able Fire Ops 8/28/19

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Myra,

Fifty-one loads of debris have been shipped off-site to the local Waste Management facility. This represents approximately 510 tons of debris removed from the site today. It's anticipated that approximately 60-70 loads will be shipped off site by close of business today.

Strategies to reduce the amount of fire-mitigation water traveling off-site continue to be implemented. Due to the increased efficiency of water use to mitigate the fire, water utilized on-site continues to decrease. Furthermore, fire-mitigation water generated on site continues to be shipped directly to a sanitary sewage system via vacuum trucks.

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 11:07:46 AM
To: Miller, Angela <Miller.Angela@epa.gov>
CC: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Subject: Re: Able Fire residents contact and water source list

The reason I reached out for list of people again is because the people Jose was calling were not associated with the DHEC well sampling event (thought being if they have well DHEC would sample) so I'm confused that the person he did reach indicated he's on a well.

Sent from my iPhone

On Aug 29, 2019, at 9:18 PM, Miller, Angela <Miller.Angela@epa.gov> wrote:

> I revised the original list that SC DHEC provided to fit EPA's needs. I also renumbered the households so that it would not be so confusing with personnel changes. As we determine their water source, we can edit the list. Jose reached out to all, but only spoke with one and he did not know the well number or it's location.
>
> **<image001.gif>**
> **All the best,**
> **Angela R. Miller**
> **US EPA, Community Involvement Coordinator**
> **Office of the Regional Administrator**
> **61 Forsyth Street, SW**
> **Atlanta, GA 30303**
> **Office: (404) 562-8561**
> **Cell: (678) 575-8132**
> **Email: miller.angela@epa.gov**
>
> <Able Fire Schinger Avenue Residents - EPA revised contact List.docx>

From: Miller, Angela <Miller.Angela@epa.gov> on behalf of Miller, Angela
Sent on: Friday, August 30, 2019 11:15:56 AM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Re: Able Fire residents contact and water source list

Will you call me on my personal cell (b)(6) Personal after your safety meeting? Now I'm confused and I want to make sure you get what you need LOL

Sent from my iPhone

On Aug 30, 2019, at 7:07 AM, Spurlin, Steve <Spurlin.Steve@epa.gov> wrote:

> The reason I reached out for list of people again is because the people Jose was calling were not associated with the DHEC well sampling event (thought being if they have well DHEC would sample) so I'm confused that the person he did reach indicated he's on a well.
>
> Sent from my iPhone
>
> On Aug 29, 2019, at 9:18 PM, Miller, Angela <Miller.Angela@epa.gov> wrote:
>
>> I revised the original list that SC DHEC provided to fit EPA's needs. I also renumbered the households so that it would not be so confusing with personnel changes. As we determine their water source, we can edit the list. Jose reached out to all, but only spoke with one and he did not know the well number or it's location.
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>> **All the best,**
>> **Angela R. Miller**
>> **US EPA, Community Involvement Coordinator**
>> **Office of the Regional Administrator**
>> **61 Forsyth Street, SW**
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>> **Office: (404) 562-8561**
>> **Cell: (678) 575-8132**
>> **Email: miller.angela@epa.gov**
>>
>> <Able Fire Schinger Avenue Residents - EPA revised contact List.docx>

From: Tanner, Terry <Tanner.Terry@epa.gov> on behalf of Tanner, Terry
Sent on: Wednesday, September 4, 2019 12:36:22 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: RE: Able

Thanks for the info. Regarding the wells I'll inform the residents of the bleaching and engage DHEC in that process. I'm already talking with Tim (Glenn is on vacation for 2 weeks) about the air data and messaging it. I plan to involve Angela with developing the message as well as the delivery. It will include info about mulch producing steam but I am struggling with the wording as smoke and fire are also a potential issue.

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Tuesday, September 3, 2019 6:26 PM
To: Tanner, Terry <Tanner.Terry@epa.gov>; Adams, Glenn <Adams.Glenn@epa.gov>
Cc: Miller, Angela <Miller.Angela@epa.gov>
Subject: Able

Terry, the Water Bureau Chief is Mike Marcus 803-898-4210. He visited site Sunday to look at stormwater controls. He was good with what was in place. He said well data would be back at end of week. Mentioned fecal coliform as likely problem. That's not our issue, but relevant to re occupancy. I told him we were trying to get residents back as no air issues. He said we should coordinate cloroxing of well with owner at move in. So please follow up on that.

You need to talk to Glenn and Tim/SS about messaging for our exit. Glenn is aware of situation and is aware of need to possibly provide narrative for acrylin, h2S, HCN. Don't ignore this as it's part of exit.

I've talked to Angela about potential messaging to public about how "mulch"/organic based piles put of steam. I would consider that part of the future exit narrative.

Steve Spurlin

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From: Webster, James <Webster.James@epa.gov> on behalf of Webster, James
Sent on: Saturday, August 31, 2019 5:10:00 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Hill, Franklin <Hill.Franklin@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; Andrews, David <Andrews.David@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>
Subject: Re: Able--Upcoming storm-site safety

Need to communicate with folks that are relocated.

Sent from my iPhone

On Aug 31, 2019, at 11:17 AM, Spurlin, Steve <Spurlin.Steve@epa.gov> wrote:

Hello,

Due to the shift in storm towards our area, I've decided it would be prudent to button things up and demobilize personnel. We are already getting storms/lightening in area and it will only get worse. We would be unable to work next week from both a safety point and rain turning the work area into a mess. We will start necessary actions to secure equipment. I anticipate personnel demobilizing starting Sunday with Monday being last day for remaining personnel to demobe.

We will pull our air monitoring equipment as it's ineffective during rain events and could be damaged during storms. The MCP is leaving today. The equipment will remain.

We will contact local FD and let them know our plans. Who do we want to contact at DHEC?

Steve Spurlin
Federal On-Scene Coordinator
U S EPA, Region 4
Ed Jones Federal Bldg, B-13
109 S. Highland Ave
Jackson, TN 38301
Spurlin.Steve@epa.gov
731 394-8996

<DORIAN #28A-2.pdf>

<DORIAN #28A.pdf>

From: Tanner, Terry <Tanner.Terry@epa.gov> on behalf of Tanner, Terry
Sent on: Saturday, August 31, 2019 4:40:11 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Hill, Franklin <Hill.Franklin@epa.gov>; Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrews, David <Andrews.David@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>
Subject: Re: Able--Upcoming storm-site safety

Steve,

Thanks for the heads up. I'll contact Myra Reece, Henry Porter and Gary Stewart about the demobilization.

I'll redeploy next week after the storm passes. Myra Reece said that DHEC will be taking down their air monitoring equipment but plan to redeploy it after the storm. They are also posting their plans on their website.

Sent from my iPhone

On Aug 31, 2019, at 11:17 AM, Spurlin, Steve <Spurlin.Steve@epa.gov> wrote:

> Hello,
>
> Due to the shift in storm towards our area, I've decided it would be prudent to button things up and demobilize personnel. We are already getting storms/lightening in area and it will only get worse. We would be unable to work next week from both a safety point and rain turning the work area into a mess. We will start necessary actions to secure equipment. I anticipate personnel demobilizing starting Sunday with Monday being last day for remaining personnel to demobe.
>
> We will pull our air monitoring equipment as it's ineffective during rain events and could be damaged during storms. The MCP is leaving today. The equipment will remain.
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> We will contact local FD and let them know our plans. Who do we want to contact at DHEC?
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> Federal On-Scene Coordinator
> U S EPA, Region 4
> Ed Jones Federal Bldg, B-13
> 109 S. Highland Ave
> Jackson, TN 38301
> Spurlin.Steve@epa.gov
> 731 394-8996
>
> <DORIAN #28A-2.pdf>
>
> <DORIAN #28A-2.pdf>

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Saturday, August 31, 2019 5:12:46 PM
To: Webster, James <Webster.James@epa.gov>
CC: Hill, Franklin <Hill.Franklin@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; Andrews, David <Andrews.David@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>; Miller, Angela <Miller.Angela@epa.gov>
Subject: RE: Able--Upcoming storm-site safety

Angela on top of that.

From: Webster, James <Webster.James@epa.gov>
Sent: Saturday, August 31, 2019 12:10 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Cc: Hill, Franklin <Hill.Franklin@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; Andrews, David <Andrews.David@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>
Subject: Re: Able--Upcoming storm-site safety

Need to communicate with folks that are relocated.

Sent from my iPhone

On Aug 31, 2019, at 11:17 AM, Spurlin, Steve <Spurlin.Steve@epa.gov> wrote:

Hello,

Due to the shift in storm towards our area, I've decided it would be prudent to button things up and demobilize personnel. We are already getting storms/lightening in area and it will only get worse. We would be unable to work next week from both a safety point and rain turning the work area into a mess. We will start necessary actions to secure equipment. I anticipate personnel demobilizing starting Sunday with Monday being last day for remaining personnel to demobe.

We will pull our air monitoring equipment as it's ineffective during rain events and could be damaged during storms. The MCP is leaving today. The equipment will remain.

We will contact local FD and let them know our plans. Who do we want to contact at DHEC?

Steve Spurlin
Federal On-Scene Coordinator
U S EPA, Region 4
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109 S. Highland Ave
Jackson, TN 38301
Spurlin.Steve@epa.gov
731 394-8996

<DORIAN #28A-2.pdf>

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From: Tolliver, Ronald <Tolliver.Ronald@epa.gov> on behalf of Tolliver, Ronald
Sent on: Wednesday, August 28, 2019 8:37:47 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>; Miller, Angela <Miller.Angela@epa.gov>
Subject: RE: Contacts

I think that we should talk with Fran Marshall with DHEC, Lisa Wagner with Jasper County. They should be able to lead us to anyone else that could be on the call with us. When do you want to have the call?

-----Original Message-----
From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Wednesday, August 28, 2019 4:35 PM
To: Miller, Angela <Miller.Angela@epa.gov>; Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Subject: Contacts

I believe Ron was going to send me some contacts for discussion about re-entry.

Sent from my iPhone

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 8:39:29 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
CC: Miller, Angela <Miller.Angela@epa.gov>
Subject: Re: Contacts

Can one of you call me. 731394-8996

Sent from my iPhone

> On Aug 28, 2019, at 4:37 PM, Tolliver, Ronald <Tolliver.Ronald@epa.gov> wrote:
>
> I think that we should talk with Fran Marshall with DHEC, Lisa Wagner with Jasper County. They should be able to lead us to anyone else that could be on the call with us. When do you want to have the call?
>
> -----Original Message-----
> From: Spurlin, Steve <Spurlin.Steve@epa.gov>
> Sent: Wednesday, August 28, 2019 4:35 PM
> To: Miller, Angela <Miller.Angela@epa.gov>; Tolliver, Ronald <Tolliver.Ronald@epa.gov>
> Subject: Contacts
>
> I believe Ron was going to send me some contacts for discussion about re-entry.
>
> Sent from my iPhone

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From: Miller, Angela <Miller.Angela@epa.gov> on behalf of Miller, Angela
Sent on: Friday, August 30, 2019 1:10:48 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: RE: Emergency declaration
Attachments: SCDHEC Emergency Order Able Fire.pdf (163.36 KB)

As requested...

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Friday, August 30, 2019 8:52 AM
To: Miller, Angela <Miller.Angela@epa.gov>
Subject: Emergency declaration

Do we have a copy of the SC emergency declaration? If not, can you see if it's posted on their website. Thanks

Steve Spurlin
Federal On-Scene Coordinator
U S EPA, Region 4
Ed Jones Federal Bldg, B-13
109 S. Highland Ave
Jackson, TN 38301
Spurlin.Steve@epa.gov
731 394-8996

THE STATE OF SOUTH CAROLINA
BEFORE THE DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

IN RE: CHANDLER LLOYD; ABLE CONTRACTING, INC.; EARLBEE, LLC

JASPER COUNTY

NOTICE AND EMERGENCY ORDER

Chandler Lloyd, Able Contracting, Inc., and EARLBEE, LLC., (collectively, "Able") are responsible for a registered Construction and Demolition ("C&D") Processing Facility known as the Able Contracting Facility ("Able Facility") located at 472 Schinger Ave., Ridgeland, SC 29936 in Jasper County. A fire at the Able Facility has created an imminent and substantial danger to human health and the environment requiring the issuance of this Emergency Order.

TAKE NOTICE:

1. On or about June 3, 2019, the Department received complaints concerning outbreaks of flame and smoke at the Able Facility; and

2. The Able Facility is located in close proximity to numerous commercial and residential structures housing a number of residents and employees, including members of vulnerable populations such as pregnant women and children; and

3. Between June 3, 2019 and July 3, 2019, the Department conducted an investigation and received numerous complaints from nearby residents and employees of businesses located near the Able Facility regarding smoke and odors, and observed that the Able Facility was actively pumping water onto the material pile; and

4. On July 3, 2019, the Department issued a letter requiring Able to cease accepting new material, and requiring a plan be submitted to the Department detailing efforts to extinguish the fire and procedures to ensure fire is extinguished both internally and externally ("Cease and Desist"); and

5. The Department deployed a portable air sensor near the Able Facility to detect fine particulate matter on July 3, 2019; and

6. Able filed a Request for Review of the Cease and Desist on July 8, 2019; which was denied by the South Carolina Board of Health and Environmental Control on July 30, 2019, and

7. A representative of Able informed the Department on July 24, 2019 that Able was unable to continue pumping water onto the material pile due to a lack of resources; and

8. On July 24th, 25th, 27th, and 29th, 2019, concentration data from air sensors indicated levels above EPA health-based standards for fine particulate matter (35 micrograms per cubic meter, for a 24- hour average); and

9. Since their installation, the Department air sensor has detected instantaneous levels as high as 565 micrograms per cubic meter; and

10. These elevated levels constitute an emergency requiring immediate action to protect the public health or property pursuant to S.C. Code Ann. Sections 48-1-290 and 44-1-140; and

11. Whereas, S.C. Code Ann. Section 48-1-290 provides that the Department may issue an order requiring immediate action be taken as the Department deems necessary to meet an emergency and protect public health; and

12. Whereas, S.C. Code Ann. Section 44-1-140 provides that the Department may make orders to meet any emergency not provided for by general rules and regulations, for purposes of suppressing nuisances dangerous to the public health.

NOW, THEREFORE, THE DEPARTMENT FINDS, that the continued operations and current conditions at the Able Facility, a solid waste facility located at 472 Schinger Road, Ridgeland, South Carolina, present an imminent and substantial danger to human health and the environment.

IT IS THEREFORE ORDERED that Able shall:

1. Upon the execution date of the Order, immediately cease all operations at the Able Facility not related to completely extinguishing the fire, including the acceptance of new material. Continued operation of the Able Facility, without express written consent of the Department, is considered a violation of this Order. Each day of continued violation will be considered a separate offense.

2. Monitor conditions at the Able Facility 24 hours per day until the fire is completely extinguished. If visibility is impaired on a public roadway or any open flame is visible, notify the County Fire Department.

3. Due to the imminent and substantial danger to human health and the environment from the smoke being produced by material on fire at the Able Facility, the Able Facility must secure the services of a contracting company with experience in extinguishing fires of this nature to develop a plan for smoke abatement and complete extinguishment of the fire at the Able Facility, and provide a copy of the plan to the Department within 48 hours of this Order.

4. Contract with the consulting company to implement the plan for smoke abatement and complete extinguishment of the fire. Due to the imminent nature of the health concerns associated with this event, the plan must be initiated within 72 hours of the Order, and fully-implemented as soon as reasonably possible.

5. Allow unrestricted access to Department personnel or contractors for oversight of these measures.

6. Submit a written certification to the Department when all work has been completed.

7. The Department's point of contact for all matters related to this Order will be:

Marty Lindler
2600 Bull Street
Columbia, SC 29201
803-898-0456
lindlema@dhec.sc.gov

IT IS FURTHER ORDERED that the Department reserves the right to take further enforcement action for the above-observed conditions and any violations of this Emergency Order, or the Solid Waste Policy and Management Act and associated Regulations, including but not limited to the assessment of civil penalties.

IT IS FURTHER ORDERED that the execution date of this Order is the date this Order is signed by the Director of Environmental Affairs.

Failure to comply with this Order **MAY SUBJECT YOU TO PENALTIES OR CRIMINAL PROSECUTION** pursuant to S.C. Code Ann. Sections 44-1-150, 48-1-320, and 48-1-330. The Department reserves the right to take any actions necessary to address this emergency and seek cost recovery as authorized by applicable law.

AND IT IS SO ORDERED.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

By: Myra Reece

Myra Reece, Director of Environmental Affairs

DATE: 7/31/19 TIME: 5:12 pm

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Wednesday, August 28, 2019 8:04:08 PM
To: Franco, Benjamin <Franco.Benjamin@epa.gov>
Subject: RE: Please update Your Availability Status by August 29 12:00 PM - In Case of TS Dorian

I don't have timeto chase Sharepoint but I'm supposd to come off Able 9/5 and would be available after a couple of recovery days

From: Franco, Benjamin <Franco.Benjamin@epa.gov>
Sent: Wednesday, August 28, 2019 6:50 AM
To: Andrew, Gary <Andrew.Gary@epa.gov>; Andrews, David <Andrews.David@epa.gov>; Bates, Lloyd <Bates.Lloyd@epa.gov>; Berry, Chuck <Berry.Chuck@epa.gov>; Booth, Jason <Booth.Jason@epa.gov>; Buerki, Karen <Buerki.Karen@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>; Crownover, Becki <Crownover.Rebecca@epa.gov>; Eger, Chuck <Eger.Chuck@epa.gov>; Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Englert, Brian <Englert.Brian@epa.gov>; Ertep, Serdar <Ertep.Serdar@epa.gov>; Francendese, Leo <Francendese.Leo@epa.gov>; Franco, Benjamin <Franco.Benjamin@epa.gov>; Garrard, Jordan <Garrard.Jordan@epa.gov>; Gaughan, Perry <Gaughan.Perry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Hodoh, Ofia <Hodoh.Ofia@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>; Jardine, Rick <Jardine.Richard@epa.gov>; Krull, Joseph <krull.joseph@epa.gov>; Masterson, Chris <Masterson.Christopher@epa.gov>; McGuire, Jim <McGuire.Jim@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Neal, Timothy <Neal.Timothy@epa.gov>; Negron, Jose <Negron.Jose@epa.gov>; Patel, Subash <Patel.Subash@epa.gov>; Rhame, Kenneth <Rhame.Kenneth@epa.gov>; Russell, Chris <Russell.Chris@epa.gov>; Russell-Perry, Faydra <russell-perry.faydra@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>; Stilman, Terry <Stilman.Terry@epa.gov>; Swanson, Courtney <Swanson.Courtney@epa.gov>; Tanner, Terry <Tanner.Terry@epa.gov>; Taylor, Matt <Taylor.Matt@epa.gov>; Tripp, Christopher <tripp.christopher@epa.gov>; Vasser, Bryan <vasser.bryan@epa.gov>; Walden, Ted <Walden.Ted@epa.gov>; Webster, James <Webster.James@epa.gov>; Williamson, Carter <Williamson.Carter@epa.gov>
Cc: Webster, James <Webster.James@epa.gov>; Taylor, Matt <Taylor.Matt@epa.gov>; Moore, Tony <moore.tony@epa.gov>; McGuire, Jim <McGuire.Jim@epa.gov>
Subject: Please update Your Availability Status by August 29 12:00 PM - In Case of TS Dorian

https://usepa.sharepoint.com/:x:/s/R4_Work/r4_reoc/EUOADrOYAj5OkP56vRc3o7kBVeR-valVEwnTOr6XPB0PzQ?e=p6EVqE

Respectfully,

Benjamin Franco,
Federal On Scene Coordinator
Emergency Response, Removal and Prevention Branch
Superfund Division
USEPA R4
61 Forsyth St
Atlanta, GA 30303

404-562-8758 (w)
404-915-6952 (c)

Share Copy link Download Delete Copy to Version history Previous 57 of 74

From: Snyder, John <John.Snyder@tetratech.com>
Sent on: Wednesday, August 28, 2019 10:22:41 PM
To: Byrd, Terrence <Byrd.Terrence@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: RE: redo
Attachments: Able_Viper Summary Report_Main_added column.pdf (242.42 KB)

...with AQI sheet added

From: Byrd, Terrence <Byrd.Terrence@epa.gov>
Sent: Wednesday, August 28, 2019 6:05 PM
To: Snyder, John <John.Snyder@tetratech.com>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Re: redo

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

That actually does look better. Much cleaner.

From: Snyder, John <John.Snyder@tetratech.com>
Sent: Wednesday, August 28, 2019 6:03:09 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>; Byrd, Terrence <Byrd.Terrence@...epa.gov>
Subject: redo

I realized that it doesn't really make sense to talk about exceedances for the particulate meters. Have a look at this:

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | **Tetra Tech** EMI
Raleigh, NC (Cary) | tetratech.com

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Please consider the environment before printing. Read more

TETRA TECH

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: ***8/27/19 7:00*** ***To:*** ***8/28/19 7:00***

On Site, Southeast Corner of File

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	No	1,379	517	0 - 836 ppb	77.22 ppb	1,000 ppb
	CO	No	No	1,379	14	0 - 6 ppm	0.03 ppm	83 ppm
	H_2S	Yes	No	1,379	17	0 - 3.4 ppm	0.011 ppm	0.5 ppm
	O_2	No	No	1,379	1,379	20.3 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,379	1	0 - 4 %	0 %	10%
	HCN	Yes	No	1,379	943	0 - 22.5 ppm	0.59 ppm	7.1 ppm

Peacock Collection

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	1,460	1,460	1 - 46 µg/m³	3 µg/m³	See SOG #: T106

On Site, Southwest Corner of File

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	No	1,378	1,272	0 - 532 ppb	164.84 ppb	1,000 ppb
	CO	No	No	1,378	17	0 - 10 ppm	0.06 ppm	83 ppm
	H_2S	Yes	No	1,378	34	0 - 1.1 ppm	0.015 ppm	0.5 ppm
	O_2	No	No	1,378	1,378	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,378	0	0 - 0 %	0 %	10%
	HCN	Yes	No	1,378	801	0 - 9.1 ppm	0.84 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	1,455	1,455	3-516 µg/m³	7 µg/m³	See SOG #: T106

Able Contracting Mobilization, Northeast of File

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	Yes	No	1,378	1,182	0 - 1603 ppb	151.27 ppb	1,000 ppb
	CO	No	No	1,378	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	No	1,378	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	No	1,378	1,378	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,378	0	0 - 0 %	0 %	10%
	HCN	No	No	1,378	2	0 - 0.1 ppm	0 ppm	7.1 ppm

Green Coastal Church

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	1,405	1,405	3 - 40 µg/m³	7 µg/m³	See SOG #: T106

Simpson Concrete

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	No	1,382	196	0 - 38 ppb	1.9 ppb	1,000 ppb
	CO	No	No	1,382	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	No	1,382	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	No	1,382	1,382	20.5 - 21.3 %	20.8 %	<19.5 or >23%
	LEL	No	No	1,382	0	0 - 0 %	0 %	10%
	HCN	No	No	1,382	297	0 - 1.2 ppm	0.1 ppm	7.1 ppm

Bay City

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	846	244	0 - 106 µg/m³	10.1 µg/m³	See SOG #: T106

Crooked Mile Apartments

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	1,504	635	0 - 81 µg/m³	8.4 µg/m³	See SOG #: T106

EPA Mobile Command Post

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Good	1,498	402	0 - 132 µg/m³	10.0 µg/m³	See SOG #: T106

Notes:

- % Percent
- < Less than
- > Greater than
- AEGL Acute Exposure Guideline Levels for Airborne Chemicals
- CO Carbon monoxide
- H_2S Hydrogen Sulfide
- HCN Hydrogen Cyanide
- LEL Lower Explosive Level
- min Minute
- O_2 Oxygen
- PEL Permissible exposure limit
- ppb Parts per billion
- ppm Parts per million
- PM Particulate matter
- SOG Standard Operating Guidelines
- TLV Threshold limit value
- µg/m³ Micrograms per cubic meter
- VOC Volatile organic compoud

Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Share Copy link Download Delete Copy to Version history Previous 58 of 74

From: Webster, James <Webster.James@epa.gov> on behalf of Webster, James
Sent on: Tuesday, September 3, 2019 3:58:50 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Tanner, Terry <Tanner.Terry@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>
Subject: RE: Three questions on Able

Thanks Steve,

45K tons remaining after we are finished? I thought that the initial estimate that (prior to fire) there was around 130K cubic yards? Based on fluff factor of debris, would that mean around 65K tons was original amount in pile?

jim

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Tuesday, September 3, 2019 11:55 AM
To: Webster, James <Webster.James@epa.gov>
Cc: Tanner, Terry <Tanner.Terry@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>
Subject: Re: Three questions on Able

Well water data due at end of week. Dhec samples surface water at same time but not sure if it's on same turn around. Past sampling showed metal levels above water quality screening values but no health levels of concern.

We've transported about 6000 tons.

Estimated we could remove 20-25% of pile with remaining funds. That will leave an estimated 45,000 tons.

Sent from my iPhone

On Sep 3, 2019, at 10:45 AM, Webster, James <Webster.James@epa.gov> wrote:

> Franklin has a couple questions:
>
> 1. Has water data come back and if so, what did it look like?
> Drinking water wells
> Surface runoff (heard that River Keeper has data showing contaminants).
>
> 2. How much total yardage or tonnage have we taken away so far?
>
> 3. How much total estimate do we think we can remove under existing TO?
>
> 4. How much would remain.
>
> jim

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Tuesday, September 3, 2019 3:55:12 PM
To: Webster, James <Webster.James@epa.gov>
CC: Tanner, Terry <Tanner.Terry@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>
Subject: Re: Three questions on Able

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Sent from my iPhone

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>
> 3. How much total estimate do we think we can remove under existing TO?
>
> 4. How much would remain.
>
> jim

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From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Tuesday, September 3, 2019 4:01:26 PM
To: Webster, James <Webster.James@epa.gov>
CC: Tanner, Terry <Tanner.Terry@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>
Subject: Re: Three questions on Able

Yes. Removing 20-25% of 65000 tons leaves you with 45kish.

Sent from my iPhone

On Sep 3, 2019, at 10:58 AM, Webster, James <Webster.James@epa.gov> wrote:

> Thanks Steve,
>
> 45K tons remaining after we are finished? I thought that the initial estimate that (prior to fire) there was around 130K cubic yards? Based on fluff factor of debris, would that mean around 65K tons was original amount in pile?
>
> jim
>
> **From:** Spurlin, Steve <Spurlin.Steve@epa.gov>
> **Sent:** Tuesday, September 3, 2019 11:55 AM
> **To:** Webster, James <Webster.James@epa.gov>
> **Cc:** Tanner, Terry <Tanner.Terry@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>
> **Subject:** Re: Three questions on Able
>
> Well water data due at end of week. Dhec samples surface water at same time but not sure if it's on same turn around. Past sampling showed metal levels above water quality screening values but no health levels of concern.
>
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>
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> >
> > 1. Has water data come back and if so, what did it look like?
> > Drinking water wells
> > Surface runoff (heard that River Keeper has data showing contaminants).

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From: Negron, Jose <Negron.Jose@epa.gov> on behalf of Negron, Jose
Sent on: Thursday, August 29, 2019 8:42:38 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>; Negron, Jose <Negron.Jose@epa.gov>
CC: Miller, Angela <Miller.Angela@epa.gov>
Subject: Re: Thursday sampling event near ABEL Contracting Site

Ron:

Was only able to contact Wilson Ramirez. He doesn't know which we'll or the location. Left messages for the rest. If you have a new number for Karina Alvarado please send it to me. One I have is disconnected so left message with ex.

FYI, Per Wilson water coming out at spigot has always had bad smell and occasional discoloration. He indicated that property owner frowns on anyone complaining or allowing sampling to be conducted.

Steve: you may consider sampling at the spigot instead of well if no well can't be associated. Did that a Gold King.

Thanks,

José A. Negrón
Federal On-Scene Coordinator
EPA Región 4

Office (404)-562-8754
Cellular (404)-386-4657

Please report hazardous substances releases and oil spills to the National Response Center at 1-800-424-8802.

On Aug 29, 2019, at 10:09 AM, Negron, Jose <Negron.Jose@epa.gov> wrote:

> Will do.
>
> Thanks
>
> Jose A. Negron
> Federal On Scene Coordinator
> Emergency Response, Removal and Prevention Branch
>
> U.S. Environmental Protection Agency
> Region 4
> 61 Forsyth St.
> Atlanta, GA 30303

From: Marcus, Mike <MARCUSJM@dhec.sc.gov>
Sent on: Friday, August 30, 2019 3:39:06 PM
To: McWilliams, Jesse <mcwilljk@dhec.sc.gov>
CC: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Re: Thursday sampling event near ABEL Contracting Site

Steve,

All of the private drinking water wells that have been identified as being associated w/ the Able site re: immediate proximity have been identified and sampled (yesterday, Thursday). Results are anticipated to be rec'd 1 week from now. We will pass along to EPA as soon as they are rec'd.

Mike

Sent from my iPhone

On Aug 30, 2019, at 10:22 AM, McWilliams, Jesse <mcwilljk@dhec.sc.gov> wrote:

Mike Marcus (803-898-4210) is the point of contact that I have listed for water issues.

Mike, are we able to verify that there are no wells within the defined area for which sampling as not yet been conducted?

Jesse McWilliams
SC DHEC BEHS DER ERS

Connect: mcwilljk@dhec.sc.gov / 803-429-7627

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Friday, August 30, 2019 10:10 AM
To: McWilliams, Jesse <mcwilljk@dhec.sc.gov>
Subject: FW: Thursday sampling event near ABEL Contracting Site

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

From: McWilliams, Jesse <mcwilljk@dhec.sc.gov>
Sent on: Friday, August 30, 2019 2:21:53 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>; Marcus, Mike <marcusjm@dhec.sc.gov>
Subject: Re: Thursday sampling event near ABEL Contracting Site
Attachments: Able Private Well Map (8-29-19 sampling).png (3.71 MB)

Mike Marcus (803-898-4210) is the point of contact that I have listed for water issues.

Mike, are we able to verify that there are no wells within the defined area for which sampling as not yet been conducted?

Jesse McWilliams
SC DHEC BEHS DER ERS
Connect: mcwilljk@dhec.sc.gov / 803-429-7627

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Friday, August 30, 2019 10:10 AM
To: McWilliams, Jesse <mcwilljk@dhec.sc.gov>
Subject: FW: Thursday sampling event near ABEL Contracting Site

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***
Here's what DHEC provided. I attempted to match these addresses to our relocated residents list, which I will forward, and couldn't match all residents to well. So either they are not on well, or maybe their well was missed. So that's what I'm trying to verify. Thanks

From: Hornosky, Minda <hornosms@dhec.sc.gov>
Sent: Wednesday, August 28, 2019 11:08 AM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Cc: Stewart, R. Gary <stewarrg@dhec.sc.gov>
Subject: Fw: Thursday sampling event near ABEL Contracting Site

private well sampling locations as requested

Minda Hornosky, Hydrogeologist
Project Manager
State Remediation Section
Bureau of Land and Waste Management
S.C. Dept. of Health & Environmental Control
Office: (803) 898-2459
Fax: (803) 898-1297
Connect: www.scdhec.gov Facebook Twitter

Argent Blvd
Well 6
Well 1
Well 5
Well 2
Well 3
Well 4
Schinger Ave
Mackinlay Way
Browns Cove Rd
Peaushine Dr

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 4:19:07 PM
To: Marcus, Mike <marcusjm@dhec.sc.gov>
CC: McWilliams, Jesse <mcwilljk@dhec.sc.gov>
Subject: Re: Thursday sampling event near ABEL Contracting Site

Perfect. Thanks for update.

Sent from my iPhone

On Aug 30, 2019, at 11:39 AM, Marcus, Mike <MARCUSJM@dhec.sc.gov> wrote:

> Steve,
>
> All of the private drinking water wells that have been identified as being associated w/ the Able site re: immediate proximity have been identified and sampled (yesterday, Thursday). Results are anticipated to be rec'd 1 week from now. We will pass along to EPA as soon as they are rec'd.
>
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> Sent from my iPhone
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>>
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>
> Jesse McWilliams
> SC DHEC BEHS DER ERS
>
> Connect: mcwilljk@dhec.sc.gov / 803-429-7627

From: Tolliver, Ronald <Tolliver.Ronald@epa.gov> on behalf of Tolliver, Ronald
Sent on: Thursday, August 29, 2019 9:32:49 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: RE: Tolliver, Ronald shared "AbleContractingFAQs" with you.
Attachments: AbleContractingFAQs.docx (80.12 KB)

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Thursday, August 29, 2019 4:41 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Subject: RE: Tolliver, Ronald shared "AbleContractingFAQs" with you.

Ron, I have trouble accessing Sharepoint. Can you just send me the doc? thanks

From: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Sent: Thursday, August 29, 2019 3:20 PM
To: Miller, Angela <Miller.Angela@epa.gov>; Pinkney, James <Pinkney.James@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Tolliver, Ronald shared "AbleContractingFAQs" with you.

Feel free to add questions that you think would be inportant. Steve, there may be some technical info you would want to add. Let me know when you all have looked at it and added any input so I can get it to Brandi. Thanks

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U.S. Environmental Protection Agency

Able Contracting Fire

Ridgeland, South Carolina

Frequently Asked Questions **August 2019**

Introduction

This Frequently Asked Questions (FAQ) Fact Sheet provides information regarding the Emergency Response (ER) response activities at the Able Contracting Fire Site (the Site).
The U.S. Environmental Protection Agency (EPA) conducts a range of community involvement activities to ensure community residents are informed about the details of the Able Contracting Fire response.

What is EPA doing to address the threats to public health associated with the fire?

EPA and South Carolina Department of Health and Environmental Control (SC DHEC) have set up a network of air monitors to capture real-time air quality information. This information will help EPA and SC DHEC to respond immediately to threats that impact public air quality. EPA is using fractionation tanks to capture runoff water and to dispose of it in the approved local sewer authority facility.

What are the potential toxins at the Site? How will the public be notified if there is a release of those toxins?

EPA in partnership with SC DHEC is currently monitoring the air quality and taking water samples to monitor for potential toxins. The data from these monitors and more details can be found www.scdhec.gov/able-contracting-fire and www.epa.gov/superfund/able-contracting-fire.

Who will need to be evacuated? Is it voluntary or mandatory?

Based upon our current monitoring data, there is no need to initiate any evacuation procedures. Decisions for evacuations will be made by local emergency management officials in close consultation with EPA and SC DHEC.

Will EPA remove all the material from the Site?

No. Material from the Site will be removed to gain access to put out the fires. The objective is to put out the fire and reduce the risk of reignition.

How much material is being removed from the Site?

Currently EPA has removed XX tons of material from the Site. Material will continually be rearranged or removed from the Site in order to get access to put out the environmental fires and reduce the risk of reignition.

Is it safe for me to be home?

Yes. When determining if your health is being impacted by the Site, we consider many factors including the contaminant of concern (Acrolein), exposure (smoke), and concentration. These elements are factored together to give us a better understanding of the risk to the health of the people that live and work in this area.

How is the community being notified?

EPA and SC DHEC have details and regular status updates on both websites www.scdhec.gov/able-contracting-fire and www.epa.gov/superfund/able-contracting-fire. Jasper County Emergency Management System utilizes the Nixle system as well as social media to notify the community of updates. If you would like to be added to our email and telephone contact list please email Ron Tolliver (Tolliver.Ronald@epa.gov) Community Involvement Coordinator.

What should I expect after the fire is out?

You should expect local residents who were temporarily relocated to return to their places of residence. EPA and SC DHEC will work together with the local officials to ensure an effective transition from EPA oversight and monitoring to SC DHEC.

What if I have questions about past exposures?

If you have concerns about your health or the health of your children, contact your health provider. For further health information regarding the Able Contracting Fire Site, contact South Carolina Department of Health and Environmental Control (SC DHEC) 843-726-7788 or email them at XXX

Site Location and Background

The Able Contracting facility is located on Schinger Avenue in Ridgeland, South Carolina. The facility received construction and demolition debris which was shredded as recyclable materials were removed. The Site contains approximately 4 acres of stockpiled material.

The current fire of the stockpiled material began in early July 2019. Able Contracting and local fire departments have worked to extinguish the fire. On July 23, a large water supply pump used by the facility for firefighting was damaged by lightning. Smoke from the smoldering fire increased over the next several days.

CONTACTS & MORE INFORMATION

Community Involvement Coordinator
Ron Tolliver
(404) 562- 9591
Tolliver.Ronald@EPA.gov
Toll Free (877) 718-3752

SC DHEC Director of Applied Science and Community Engagement
Fran Marshall
(803) 898-9956
Marshaf2@dhec.sc.gov

Website
www.epa.gov/superfund/fairfax-st-wood-treaters

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Thursday, August 29, 2019 8:41:02 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Subject: RE: Tolliver, Ronald shared "AbleContractingFAQs" with you.

Ron, I have trouble accessing Sharepoint. Can you just send me the doc? thanks

From: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Sent: Thursday, August 29, 2019 3:20 PM
To: Miller, Angela <Miller.Angela@epa.gov>; Pinkney, James <Pinkney.James@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: Tolliver, Ronald shared "AbleContractingFAQs" with you.

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From: Tolliver, Ronald <Tolliver.Ronald@epa.gov> on behalf of Tolliver, Ronald
Sent on: Thursday, August 29, 2019 9:42:50 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: RE: Tolliver, Ronald shared "AbleContractingFAQs" with you.
Attachments: AbleContractingFAQs.docx (79.71 KB)

From: Spurlin, Steve <Spurlin.Steve@epa.gov>
Sent: Thursday, August 29, 2019 4:41 PM
To: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Subject: RE: Tolliver, Ronald shared "AbleContractingFAQs" with you.

Ron, I have trouble accessing Sharepoint. Can you just send me the doc? thanks

From: Tolliver, Ronald <Tolliver.Ronald@epa.gov>
Sent: Thursday, August 29, 2019 3:20 PM
To: Miller, Angela <Miller.Angela@epa.gov>; Pinkney, James <Pinkney.James@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>
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From: Tolliver, Ronald <Tolliver.Ronald@epa.gov> on behalf of Tolliver, Ronald
Sent on: Thursday, August 29, 2019 9:42:50 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
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From: Snyder, John <John.Snyder@tetratech.com>
Sent on: Wednesday, August 28, 2019 10:03:09 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>; Byrd, Terrence <Byrd.Terrence@epa.gov>
Subject: redo
Attachments: Able_Viper Summary Report_Main_added column.pdf (133.86 KB)

I realized that it doesn't really make sense to talk about exceedances for the particulate meters. Have a look at this:

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

Tetra Tech | Complex World, Clear Solutions™ | **Tetra Tech** EMI
Raleigh, NC (Cary) | tetratech.com

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Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: ***8/27/19 7:00*** ***To:*** ***8/28/19 7:00***

On Site, Southwest Corner of Site

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	No	1,379	517	0 - 836 ppb	77.22 ppb	1,000 ppb
	CO	No	No	1,379	14	0 - 6 ppm	0.03 ppm	83 ppm
	H_2S	Yes	No	1,379	17	0 - 3.4 ppm	0.011 ppm	0.5 ppm
	O_2	No	No	1,379	1,379	20.3 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,379	1	0 - 4 %	0 %	10%
	HCN	Yes	No	1,379	943	0 - 22.5 ppm	0.59 ppm	7.1 ppm

Personal Collection

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	1,460	1,460	1 - 46 µg/m³	3 µg/m³	See SOG #: T106

On Site, Northwest Corner of Site

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	No	1,378	1,272	0 - 532 ppb	164.84 ppb	1,000 ppb
	CO	No	No	1,378	17	0 - 10 ppm	0.06 ppm	83 ppm
	H_2S	Yes	No	1,378	34	0 - 1.1 ppm	0.015 ppm	0.5 ppm
	O_2	No	No	1,378	1,378	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,378	0	0 - 0 %	0 %	10%
	HCN	Yes	No	1,378	801	0 - 9.1 ppm	0.84 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	1,455	1,455	3-516 µg/m³	7 µg/m³	See SOG #: T106

Able Contracting Warehouse, Northwest of Site

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	Yes	No	1,378	1,182	0 - 1603 ppb	151.27 ppb	1,000 ppb
	CO	No	No	1,378	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	No	1,378	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	No	1,378	1,378	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	No	1,378	0	0 - 0 %	0 %	10%
	HCN	No	No	1,378	2	0 - 0.1 ppm	0 ppm	7.1 ppm

Grace Church Church

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	1,405	1,405	3 - 40 µg/m³	7 µg/m³	See SOG #: T106

Forrest Concrete

Instrument	Analyte	Action Level Exceedance	Period Average Exceedance	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	No	1,382	196	0 - 38 ppb	1.9 ppb	1,000 ppb
	CO	No	No	1,382	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	No	1,382	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	No	1,382	1,382	20.5 - 21.3 %	20.8 %	<19.5 or >23%
	LEL	No	No	1,382	0	0 - 0 %	0 %	10%
	HCN	No	No	1,382	297	0 - 1.2 ppm	0.1 ppm	7.1 ppm

Sun City

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	846	244	0 - 106 µg/m³	10.1 µg/m³	See SOG #: T106

Bronze Hill Apartments

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	1,504	635	0 - 81 µg/m³	8.4 µg/m³	See SOG #: T106

EPA Mobile Command Post

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Good	1,498	402	0 - 132 µg/m³	10.0 µg/m³	See SOG #: T106

Notes:

- % Percent
- < Less than
- > Greater than
- AEGL Acute Exposure Guideline Levels for Airborne Chemicals
- CO Carbon monoxide
- H_2S Hydrogen Sulfide
- HCN Hydrogen Cyanide
- LEL Lower Explosive Level
- min Minute
- O_2 Oxygen
- PEL Permissible exposure limit
- ppb Parts per billion
- ppm Parts per million
- PM Particulate matter
- SOG Standard Operating Guidelines
- TLV Threshold limit value
- µg/m³ Micrograms per cubic meter
- VOC Volatile organic compoud

From: Spurlin, Steve <Spurlin.Steve@epa.gov> on behalf of Spurlin, Steve
Sent on: Friday, August 30, 2019 2:11:11 PM
To: mcwilljk@dhec.sc.gov
Subject: resident relocated list
Attachments: Able Fire Schinger Avenue Residents - EPA revised contact List.docx (29.25 KB)

Steve Spurlin
Federal On-Scene Coordinator
U S EPA, Region 4
Ed Jones Federal Bldg, B-13
109 S. Highland Ave
Jackson, TN 38301
Spurlin.Steve@epa.gov
731 394-8996

Schinger Avenue Residents (10 households)
contact information and drinking water source

1. **405C Schinger Ave. - WELL 4 -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

2. **405B Schinger Ave. - WELL 4 -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

3. **405 A Schinger Ave - WELL 4 -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

4. **452B Schinger Ave. -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

5. **452A Schinger Ave. -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

6. **394 Schinger Ave.- WELL 2 -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

7. **mobile home behind 394 Schinger Ave.- WELL 2 -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

8. **382 Schinger Avenue - Well # not known -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

9. **352 Schinger Ave. - WELL 3 -** (b)(6) Personal Privacy
(b)(6) Personal Privacy

10. **64 Mackinlay Way -** (b)(6) Personal Privacy

From: Snyder, John <John.Snyder@tetratech.com>
Sent on: Thursday, August 29, 2019 1:45:07 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
Subject: revised writeup
Attachments: Able Contracting Fire ER Summary of Activities.docx (700.24 KB)

John Snyder, PG, PE | Environmental Engineer
Mobile **+1 (770) 402-9013** | john.snyder@tetratech.com

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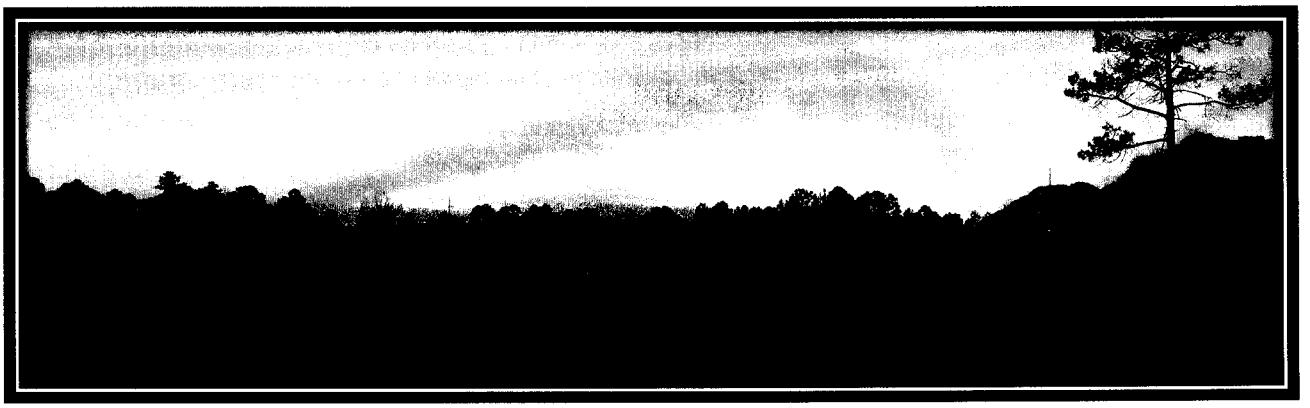
SUMMARY OF EMERGENCY RESPONSE ACTIVITIES, REVISION 0

ABLE CONTRACTING FIRE EMERGENCY RESPONSE
RIDGELAND, JASPER COUNTY, SOUTH CAROLINA



Prepared for

U.S. Environmental Protection Agency
Emergency Response, Removal, and Prevention Branch
Region 4

Submitted by

Tetra Tech, Inc.
Superfund Technical Assessment and Response Team Region 4
1955 Evergreen Blvd., Building 200, Suite 300
Duluth, GA 30096

EPA Contract No. EP-S4-14-03
TDD: TT-01-128

September 24, 2019

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2.0 INITIAL RESPONSE ACTIONS 1
3.0 CURRENT OPERATIONAL PICTURE 2

Attachments:

A Figures

1.0 SITE BACKGROUND

The Able Contracting facility is located on Schinger Avenue in Ridgeland, South Carolina. The facility received construction and demolition debris which was shredded as recyclable materials were removed. The Site contains approximately 4 acres of stockpiled material.

The current fire of the stockpiled material began in early July 2019. Able Contracting and local fire departments have worked to extinguish the fire. On July 23, a large water supply pump used by the facility for firefighting was damaged by lightning. Smoke from the smoldering fire increased over the next several days.

2.0 INITIAL RESPONSE ACTIONS

EPA was requested by South Carolina Department Health and Environmental Control (SC DHEC) to conduct air monitoring and sampling to determine if any hazardous substances were being discharged from the smoldering fire. EPA and Superfund Technical Assessment and Response Team (START) contractor Tetra Tech deployed to the Site on July 25.

During the initial response activities, Tetra Tech conducted water quality monitoring and collected surface water samples from ditches, and an upgradient pond; and a groundwater sample from an on-site well. All aqueous samples were analyzed for volatile organic compounds (VOCs) by EPA SW-846 Method 8260B, semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270D, and target compound list (TAL) metals by EPA SW-846 Methods 6010D and 7470A. No contaminants were detected in the groundwater sample at levels that exceeded EPA Maximum Contaminant Levels (MCLs). Metals were detected in both surface water samples at levels exceeding EPA and/or SCDHEC surface water screening values.

Tetra Tech also collected multiple rounds of ambient air samples over a 48-hour period during the initial July 25th-July 29th mobilization. Samples were analyzed for volatile organic compounds (VOCs) by EPA TO-15, semi-volatile organic compounds (SVOCs) by EPA SW-846 Method 8270D, formaldehyde by EPA Method TO-11A, phosgene by OSHA Method 61, metals by IO-3.1, 3.4, and 3.5, and asbestos by transmission electron microscopy. Laboratory analysis of the samples detected acrolein at levels exceeding the EPA Removal Management Level (RML) in all samples, including the background sample.

During the initial July 25th – July 29th mobilization, EPA emplaced four AreaRAEs electrochemical detectors (monitoring for VOCs, carbon monoxide [CO], hydrogen sulfide [H_2S], oxygen [O_2] and lower explosive limit [LEL]) and three DustTraks monitoring for particulates ($PM_{2.5}$) around the Site.

EPA and Tetra Tech returned to the site on August 2nd and 3rd to conduct additional air sampling to confirm the presence of hazardous substances measured in the previous round of sampling and to monitor for phosgene with a Single Point Monitor (SPM) Flex. Air samples were analyzed for VOCs and phosgene. Again, acrolein was detected at all sample locations at levels exceeding the EPA RML of 0.063 micrograms per cubic meter ($\mu g/m^3$). Based on these results, the response was elevated [redacted]

On August 9th, EPA and Tetra Tech remobilized to the Site and began 24-hour air monitoring with AreaRAEs, DustTraks, and beta attenuation monitors (EBAMs). SCDHEC mobilized a response contractor who began water application on August 11th and aggressive firefighting operations with heavy equipment on August 12th. EPA assumed the lead for relocation of residents and firefighting operations on August 16th.

3.0 CURRENT OPERATIONAL PICTURE

EPA's Emergency and Rapid Response Services (ERRS) contractor, CMC Environmental Services, Inc. (CMC), mobilized personnel and equipment to the Site and assumed the role of lead contractor for extinguishing the fire. Current operations involve excavating the pile, applying water to burning material, relocating unimpacted pile material on site, and transporting impacted/extinguished material to a local landfill. Efforts are being made to minimize the amount of water applied to the fire and capture as much runoff as practicable. Runoff that is captured in perimeter ditches is pumped into on-site fractionation tanks and then discharged to a local sanitary sewer, as approved by the local sewer authority. Tetra Tech monitors the runoff that is discharged to the sewer for pH and dissolved oxygen on a daily basis, as requested by the local sewer authority. Runoff that is not recovered passes by an air sparge unit to increase downstream dissolved oxygen levels.

Current metrics related to firefighting [redacted], include:

[redacted]

Since SCDHEC and EPA firefighting operations began, EPA has been maintaining a broad network of air monitoring equipment on Site and in the surrounding neighborhoods. Four AreaRAEs, three DustTraks, and three EBAMs have been operating 24 hours a day in all weather conditions. This network generates tens of thousands of data points each day which provide responders with the real-time data necessary to make informed decisions based on current conditions. The four AreaRAEs are currently emplaced on-site

or in close proximity to the Site to monitor for VOCs, CO, H_2S, O_2, LEL, and hydrogen cyanide (HCN). The DustTraks and EBAMs have been emplaced in the surrounding neighborhoods (residential areas, businesses, churches, etc.) to monitor particulate material in the air. Data summaries for the monitors are prepared on a daily or semi-daily basis and released to the public via response.epa.gov/ablefire.

During the week of August 19th, EPA conducted two rounds of ambient air sampling around the fire. Sampling was conducted in accordance with the *Air Monitoring and Sampling Plan, Revision 0: Able Contracting Fire ER* submitted by Tetra Tech to EPA on August 22nd. Each round of sampling consisted of 24-hour air samples at two predefined locations (Forrest Concrete and the residence at 352 Schinger Ave.) and two upwind locations. Samples were collected in 6-liter Summa canisters and analyzed for VOCs by EPA Method TO-15, H2S by Modified EPA Method 16, and HCN by Modified EPA Method 320. Additionally, during the second round or sampling, two 8-hour samples were also collected from within the cabs of response excavators. These samples were analyzed for the same analytical suite as the fixed locations. [redacted]

EPA intends to conduct an additional round of neighborhood ambient air sampling to confirm that conditions are safe to allow local residents to reoccupy their homes. Sampling will follow the same protocols outlined in the abovementioned *Air Monitoring and Sampling Plan*, with 24-hour samples collected at Forrest Concrete, the residence at 352 Schinger Ave., [redacted].

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From: Webster, James <Webster.James@epa.gov> on behalf of Webster, James
Sent on: Tuesday, September 3, 2019 3:45:49 PM
To: Tanner, Terry <Tanner.Terry@epa.gov>; Spurlin, Steve <Spurlin.Steve@epa.gov>; Huyser, Matthew <Huyser.Matthew@epa.gov>
Subject: Three questions on Able

Franklin has a couple questions:

1. Has water data come back and if so, what did it look like?
   Drinking water wells
   Surface runoff (heard that River Keeper has data showing contaminants).

2. How much total yardage or tonnage have we taken away so far?

3. How much total estimate do we think we can remove under existing TO?

4. How much would remain.

jim

Feel free to add questions that you think would be inportant. Steve, there may be some technical info you would want to add. Let me know when you all have looked at it and added any input so I can get it to Brandi. Thanks

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From: Snyder, John <John.Snyder@tetratech.com>
Sent on: Wednesday, August 28, 2019 9:47:08 PM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Adams, Glenn <Adams.Glenn@epa.gov>; chris.jones@tetratech.com
Subject: Unvalidated data summary, first round of last week's air samples
Attachments: Draft_Summary Tables Able Contracting_0822 Air Samples_UNVALIDATED.pdf (74.12 KB)

Here's the VOC and H2S data. HCN is forthcoming.

Note that the detection limit for H2S is well above the RML.

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ABLE CONTRACTING FIRE
AIR SAMPLE RESULTS FOR AUGUST 2, 2019

		352 Schinger Avenue		Forrest Concrete		Able Contracting Office		Able Contracting Shop	
		ACF-AS-RES-1-24HR-082119		ACF-AS-RES-2-24HR-082119		ACF-AS-PAM1-082119		ACF-AS-PAM2-082119	
Date		8/21/2019 - 8/22/19		8/21/2019 - 8/22/19		8/21/2019 - 8/22/19		8/21/2019 - 8/22/19	
Analyte	**EPA RMLs**								
Hydrogen Sulfide (µg/m³)									
Hydrogen sulfide	6.3	219.8	U	239.4	U	218.4	U	225.4	U
Volatile Organic Compounds (µg/m³)									
Propylene	9,400	**3.12**		**1.16**		**6.92**		**7.39**	
Freon 12 (CCl2F2)	Not Listed	**2.19**		**2.18**		**2.15**		**2.14**	
Freon 114 (C2Cl2F4)	Not Listed	0.564	U	0.614	U	0.558	U	0.578	U
Chloromethane	280	**4.44**		**2.01**		**9.08**		**8.29**	
Chloroethene (Vinyl chloride)	Not Listed	0.207	U	0.225	U	0.205	U	0.212	U
1,3-Butadiene	Not Listed	**0.180**		0.19	U	**0.479**		**0.549**	
Bromomethane	16	0.310	U	0.337	U	0.306	U	0.317	U
Chloroethane	Not Listed	0.214	U	0.233	U	0.212	U	0.220	U
Bromoethene (Vinyl bromide)	Not Listed	0.352	U	0.382	U	0.348	U	0.360	U
Freon 11 (CCl3F)	Not Listed	**1.14**		**1.19**		**1.18**		**1.15**	
Ethanol	Not Listed	**4.05**		**5.29**		**6.15**		**5.87**	
Acrolein	0.063	**0.432**		**0.491**		**0.666**		**0.663**	
Freon 113 (C2Cl3F3)	Not Listed	**0.587**	J	**0.646**	J	**0.595**	J	**0.588**	J
1,1-Dichloroethene	Not Listed	0.320	U	0.348	U	0.317	U	0.328	U
Acetone	97000	**6.97**		**8.16**		**14.4**		**9.27**	
Carbon disulfide	2200	**0.287**		0.274	U	**0.511**		**0.342**	
Isopropyl alcohol	Not Listed	**1.780**		**1.01**		**0.72**		**0.602**	
Allyl chloride (3-chloropropene)	Not Listed	0.254	U	0.276	U	0.251	U	0.260	U
Acetonitrile	190	**0.78**		**1.1**		**1.89**		**1.19**	
Methylene chloride	1900	0.709	U	0.771	U	**0.901**		0.726	U
trans-1,2-Dichloroethene	Not Listed	0.326	U	0.354	U	0.322	U	0.334	U
Methyl tert-butyl ether	Not Listed	0.298	U	0.324	U	0.295	U	0.305	U
Acrylonitrile	4	0.179	U	0.194	U	0.177	U	0.183	U
Hexane	Not Listed	**0.932**		**0.684**		**1.4**		**1.2**	
1,1-Dichloroethane	Not Listed	0.321	U	0.350	U	0.318	U	0.329	U
Vinyl acetate	630	0.289	U	0.314	U	0.286	U	0.296	U
cis-1,2-Dichloroethene	Not Listed	0.322	U	0.350	U	0.319	U	0.330	U
Methyl ethyl ketone (2-Butanone)	16,000	**0.770**		**0.72**		**1.23**		**1.26**	
Ethyl acetate	220	**5.720**		**3.740**		**0.295**		0.300	U
Chloroform	12	0.398	U	0.433	U	0.394	U	0.408	U
Tetrahydrofuran	Not Listed	**0.300**		0.261	U	**0.474**		**0.489**	
1,1,1-Trichloroethane	Not Listed	0.438	U	0.476	U	0.433	U	0.448	U
Cyclohexane	19,000	0.282	U	**0.307**	U	0.257	J	0.289	U
Carbon tetrachloride	47	**0.485**	J	**0.536**	J	**0.499**	J	**0.475**	J
Benzene	36	**2.66**		**0.851**		**6.820**		**7.210**	
2,2,4-trimethylpentane	Not Listed	0.386	U	0.420	U	**0.435**		0.365	J
1,2-Dichloroethane	Not Listed	0.334	U	0.363	U	0.330	U	0.342	U
Heptane	Not Listed	**0.716**		**0.406**		**0.977**		**1.010**	
Trichloroethene	Not Listed	0.435	U	0.473	U	0.431	U	0.445	U
1,2-Dichloropropane	Not Listed	0.381	U	0.414	U	0.377	U	0.390	U
Methyl methacrylate	2200	0.342	U	0.372	U	0.339	U	0.351	U
1,4-Dioxane	Not Listed	0.294	U	0.319	U	**0.280**	J	**0.293**	J
Bromodichloromethane	7.6	0.537	U	0.583	U	0.531	U	0.549	U
cis-1,3-Dichloropropene	Not Listed	0.360	U	0.39	U	0.36	U	0.37	U
Methyl isobutyl ketone	Not Listed	0.341	U	**0.486**		0.337	U	0.349	U
Toluene	16000	**2.50**		**2.24**		**4.33**		**4.41**	
trans-1,3-Dichloropropene	Not Listed	0.372	U	0.404	U	0.368	U	0.381	U
1,1,2-Trichloroethane	Not Listed	0.441	U	0.479	U	0.436	U	0.451	U
Tetrachloroethene	Not Listed	0.552	U	0.600	U	0.546	U	**1.62**	
2-Hexanone (Methyl butyl ketone)	Not Listed	**0.317**	J	0.365	U	0.332	U	**0.755**	
Dibromochloromethane	Not Listed	0.678	U	0.737	U	0.671	U	0.694	U
1,2-Dibromoethane	Not Listed	0.628	U	0.682	U	0.621	U	0.643	U
Chlorobenzene	160	0.382	U	0.415	U	0.378	U	0.391	U
Ethylbenzene	110	**1.46**		**0.499**		**3.11**		**3.17**	
1,1,1,2-Tetrachloroethane	Not Listed	0.554	U	0.602	U	0.548	U	0.567	U
m-/p-Xylenes	Not Listed	**1.020**		**1.04**		**1.26**		**1.65**	
o-Xylene	Not Listed	**0.465**		**0.426**		**0.661**		**0.731**	
Styrene	3100	**1.270**		0.364	U	**3.31**		**3.41**	
Bromoform	260	0.837	U	0.910	U	0.828	U	0.857	U
1,1,2,2-Tetrachloroethane	Not Listed	0.554	U	0.602	U	0.548	U	0.567	U
4-Ethyltoluene	Not Listed	0.399	U	0.434	U	0.395	U	0.409	U
2-Chlorotoluene	Not Listed	0.420	U	0.457	U	0.416	U	0.43	U
1,3,5-Trimethylbenzene	Not Listed	0.398	U	0.432	U	0.393	U	0.407	U
1,2,4-Trimethylbenzene	Not Listed	**0.443**		**0.481**		**0.5**		**0.531**	
1,3-Dichlorobenzene	Not Listed	0.489	U	0.532	U	0.484	U	0.501	U
1,4-Dichlorobenzene	Not Listed	0.486	U	0.529	U	0.481	U	0.498	U
Benzyl chloride	3.1	0.417	U	0.453	U	0.412	U	0.427	U
1,2-Dichlorobenzene	Not Listed	0.494	U	0.537	U	0.489	U	0.506	U
1,2,4-Trichlorobenzene	Not Listed	0.607	U	0.660	U	0.601	U	0.622	U
Hexachlorobutadiene	13	0.862	U	0.937	U	0.853	U	0.882	U
Naphthalene	Not Listed	**0.409**	J	**0.585**		**0.584**		**0.591**	
1-Bromopropane	Not Listed	0.401	U	0.436	U	0.397	U	0.41	U
1-Octene	Not Listed	0.362	U	0.394	U	0.358	U	0.371	U
n-Octane	Not Listed	0.378	U	0.41	U	**0.409**		**0.425**	
Isopropylbenzene	Not Listed	**0.617**		0.438	U	**1.06**		**1.05**	
n-Propylbenzene	Not Listed	0.403	U	0.438	U	0.399	U	0.413	U

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J	The identification of the analyte is acceptable; the reported value is an estimate
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ=3.0)
U	The analyte was not detected at or above the reporting limit
BOLD	Bolded values
SHADE	Shaded values indicate an RML exceedance

From: Negron, Jose <Negron.Jose@epa.gov> on behalf of Negron, Jose
Sent on: Friday, August 30, 2019 11:34:08 AM
To: Spurlin, Steve <Spurlin.Steve@epa.gov>
CC: Tolliver, Ronald <Tolliver.Ronald@epa.gov>; Miller, Angela <Miller.Angela@epa.gov>
Subject: Wells

Talked to Karina's ex last night. He will send photos of well that feeds their home sometime today. FYI, well in that property feeds four or five trailers including the one where Timothy and Jenny Valdez live in. If available, property owner should be able to provide all details.

Will send info as soon as I get it

José A. Negrón
Federal On-Scene Coordinator
EPA Región 4

Office (404)-562-8754
Cellular (404)-386-4657

Please report hazardous substances releases and oil spills to the National Response Center at 1-800-424-8802.

ABLE CONTRACTING FIRE
AIR SAMPLE RESULTS FOR JULY 27 and 28, 2019

		BACKGROUND	STATION 1 (SE Corner)	STATION 2 (SW Corner)	STATION 1 (SE Corner)	STATION 2 (SW Corner)
		ACF-AS-BKGD-072819	ACF-AS-RES-AM-072719	ACF-AS-SMOKE-AM-072719	ACF-AS-RES-PM-072719	ACF-AS-SMOKE-PM-072719
Date		**7/28/2019**	**7/27/2019**	**7/27/2019**	**7/27/2019**	**7/27/2019**
Start Time		**11:30**	**0:18**	**1:00**	**12:10**	**12:15**
End time		**19:15**	**8:10**	**8:35**	**20:20**	**20:30**
Analyte	**EPA RMLs**	***Sample Volume***	***Sample Volume***	***Sample Volume***	***Sample Volume***	***Sample Volume***
Asbestos (fibers/cc)		*946.3 Liters*	*767 Liters*	*898.6 Liters*	*965.3 Liters*	*913.3 Liters*
Asbestos	Not Listed	None detected	None detected	None detected	None detected	None detected
Formaldehyde (µg/m³)		*516.20 Liters*	*410.60 Liters*	*411.80 Liters*	*541.50 Liters*	*549.50 Liters*
Formaldehyde	22	**4.88**	**1.70**	**2.50**	**3.04**	**6.09**
Metals (µg/m³)		*776.6 Liters*	*672.6 Liters*	*657.5 Liters*	*744.8 Liters*	*784.6 Liters*
Aluminum	16	**0.55**	**0.77**	**0.52**	**0.5**	**0.48**
Antimony	Not Listed	0.19 U	0.22 U	0.23 U	0.2 U	0.19 U
Arsenic	Not Listed	0.39 U	0.45 U	0.46 U	0.4 U	0.38 U
Barium	1.6	0.11 U	0.13 U	**0.25 J+**	**0.13 J+**	0.11 U
Beryllium	Not Listed	0.039 U	0.045 U	0.046 U	0.04 U	0.038 U
Cadmium	Not Listed	0.039 U	0.045 U	0.046 U	0.04 U	0.038 U
Calcium	Not Listed	**52.7 J+**	0.54 U	55.1 U	**48 J+**	41.3 U
Chromium	Not Listed	0.73 U	0.89 U	0.9 U	1.1 U	0.75 U
Cobalt	0.019	0.039 U	0.045 U	0.046 U	0.04 U	0.038 U
Copper	Not Listed	0.019 U	0.22 U	0.23 U	0.2 U	0.19 U
Iron	Not Listed	**0.93 J+**	**1.3 J+**	0.87 U	**0.81 J+**	**0.86 J+**
Lead	Not Listed	0.039 U	0.045 U	0.046 U	0.04 U	**0.038** U
Manganese	Not Listed	0.19 U	0.22 U	0.23 U	0.2 U	0.19 U
Magnesium	Not Listed	**9.6 J+**	**11.2 J+**	**11.5 J+**	**10.4 J+**	8.5 U
Nickel	Not Listed	0.19 U	0.22 U	0.23 U	0.2 U	0.19 U
Selenium	63	0.39 U	0.45 U	0.46 U	0.4 U	0.38 U
Silver	Not Listed	0.039 U	0.045 U	0.046 U	0.04 U	0.038 U
Thallium	Not Listed	0.039 U	0.045 U	0.046 U	0.04 U	0.038 U
Vanadium	Not Listed	0.39 U	0.45 U	0.46 U	0.4 U	0.38 U
Zinc	Not Listed	0.39 U	0.45 U	0.46 U	0.4 U	0.38 U
Potassium	Not Listed	3.9 U	4.5 U	4.6 U	4 U	3.8 U
Sodium	Not Listed	**12.7 J+**	**15.8 J+**	**16.5 J+**	**14.7 J+**	12 U
Volatile Organic Compounds (µg/m³)		-	-	-	-	-
Propylene	9,400	**2.91**	**7.88**	**3.99**	**2.96**	**14.2**
Freon 12 (CCl2F2)	Not Listed	**2.33**	**2.4**	**2.38**	**2.41**	**2.36**
Freon 114 (C2Cl2F4)	Not Listed	0.5 U	0.502 U	0.5 U	0.513 U	**0.505** U
Chloromethane	280	**1.23**	**4.76**	**2.95**	**1.23**	**11.6**
Chloroethene (Vinyl chloride)	Not Listed	0.184 U	0.185 U	0.184 U	0.189 U	0.186 U
1,3-Butadiene	Not Listed	**0.749**	**1.06**	**0.689**	**0.769**	**2.21**
Bromomethane	16	0.275 U	0.276 U	0.274 U	0.282 U	0.277 U
Chloroethane	Not Listed	0.19 U	0.191 U	0.19 U	0.195 U	**0.276**
Bromoethene (Vinyl bromide)	Not Listed	0.312 U	0.313 U	0.312 U	0.32 U	0.315 U
Freon 11 (CCl3F)	Not Listed	**1.18**	**1.38**	**1.33**	**1.4**	**1.28**
Ethanol	Not Listed	**16.7**	**4.28**	**2.33**	**9.26**	**2.56**
Acrolein	0.063	**0.28**	**0.49**	**0.498**	**0.389**	**1.88**
Freon 113 (C2Cl3F3)	Not Listed	**0.554**	**0.66**	**0.547**	**0.605**	**0.577**
1,1-Dichloroethene	Not Listed	0.284 U	0.285 U	0.284 U	0.291 U	**0.287** U
Acetone	97000	**12**	**8.66**	**7.51**	**10.5**	**16.1**
Carbon disulfide	2200	0.214	0.514 J+	**0.279 J+**	**0.444 J+**	**0.405 J+**
Isopropyl alcohol	Not Listed	**0.404**	**0.468**	**0.434**	**0.949**	**0.478**
Allyl chloride (3-chloropropene)	Not Listed	0.225 U	0.226 U	0.225 U	0.231 U	0.227 U
Acetonitrile	190	**1.85**	**2.17**	**0.892**	**0.99**	**1.63 J+**
Methylene chloride	1900	**0.691 J+**	**0.871 J+**	**0.674 J+**	**0.999 J+**	**0.651**
trans-1,2-Dichloroethene	Not Listed	0.289 U	0.29 U	0.289 U	0.296 U	0.292 U
Methyl tert-butyl ether	Not Listed	0.264 U	0.265 U	0.264 U	**0.312**	0.267 U
Acrylonitrile	4	0.159 U	0.159 U	0.158 U	0.163 U	**0.202**
Hexane	Not Listed	**4.05**	**1.55**	**0.647**	**2.37**	**1.43**
1,1-Dichloroethane	Not Listed	0.285 U	0.286 U	0.285 U	0.292 U	0.288 U
Vinyl acetate	630	0.256 U	0.257 U	0.256 U	0.263 U	0.259 U
cis-1,2-Dichloroethene	Not Listed	0.285 U	0.287 U	0.285 U	0.293 U	0.288 U
Methyl ethyl ketone (2-Butanone)	16,000	**1.02**	**0.847**	**0.805**	**0.612**	**1.57**
Ethyl acetate	220	0.259 U	0.261 U	0.259 U	0.266 U	0.262 U
Chloroform	12	0.353 U	0.354 U	0.353 U	0.362 U	0.356 U
Tetrahydrofuran	Not Listed	0.213 U	**0.472**	**0.373**	0.218 U	**0.796**
1,1,1-Trichloroethane	Not Listed	0.388 U	0.39 U	0.388 U	0.398 U	0.392 U
Cyclohexane	19,000	**0.999**	**0.262**	0.25 U	**0.803**	0.253 U
Carbon tetrachloride	47	**0.481**	**0.482**	**0.478**	**0.496**	**0.466**
Benzene	36	**2.52**	**6.46**	**3.4**	**2.5**	**15.1**
2,2,4-trimethylpentane	Not Listed	**2.12**	**0.684**	0.342 U	**0.487**	0.346 U
1,2-Dichloroethane	Not Listed	0.296 U	0.297 U	0.296 U	0.303 U	0.299 U
Heptane	Not Listed	**2.26**	**0.769**	**0.365**	**0.891**	**1**
Trichloroethene	Not Listed	0.386 U	0.387 U	**0.385** U	0.396 U	0.39 U
1,2-Dichloropropane	Not Listed	0.338 U	0.339 U	0.337 U	0.346 U	0.341 U
Methyl methacrylate	2200	0.304 U	0.305 U	0.303 U	0.312 U	**0.857**
1,4-Dioxane	Not Listed	**0.321**	**0.294**	**0.26** U	0.267 U	**0.374**
Bromodichloromethane	7.6	0.476 U	0.478 U	**0.475** U	0.488 U	0.48 U
cis-1,3-Dichloropropene	Not Listed	*0.319* U	*0.32* U	*0.319* U	*0.327* U	*0.322* U
Methyl isobutyl ketone	Not Listed	0.302 U	**0.373**	0.302 U	0.31 U	0.305 U
Toluene	16000	**9.82**	**6.48**	**2.62**	**5.08**	**7.6**
trans-1,3-Dichloropropene	Not Listed	0.33 U	0.331 U	0.329 U	0.338 U	0.333 U
1,1,2-Trichloroethane	Not Listed	0.391 U	0.393 U	0.391 U	0.401 U	0.395 U
Tetrachloroethene	Not Listed	0.489 U	0.491 U	0.489 U	**0.736**	0.494 U
2-Hexanone (Methyl butyl ketone)	Not Listed	0.298 U	0.299 U	0.297 U	0.305 U	0.3 U
Dibromochloromethane	Not Listed	0.601 U	0.604 U	0.601 U	0.617 U	0.607 U
1,2-Dibromoethane	Not Listed	0.556 U	0.559 U	0.556 U	0.571 U	0.562 U
Chlorobenzene	160	0.339 U	0.34 U	0.338 U	0.348 U	0.342 U
Ethylbenzene	110	**2.07**	3.36	**1.12**	**0.768**	**5.86**
1,1,1,2-Tetrachloroethane	Not Listed	0.491 U	0.493 U	0.49 U	0.504 U	0.496 U
m-/p-Xylenes	Not Listed	**6.86**	**2.37**	**0.941**	**2.51**	**1.66**
o-Xylene	Not Listed	**2.75**	**0.95**	**0.362**	**0.916**	**0.759**
Styrene	3100	**0.348**	**1.71**	**2.13**	**0.446**	**8.66**
Bromoform	260	0.742 U	0.745 U	0.741 U	0.761 U	0.749 U
1,1,2,2-Tetrachloroethane	Not Listed	0.491 U	0.493 U	0.49 U	0.504 U	0.496 U
4-Ethyltoluene	Not Listed	**0.913**	0.355 U	0.354 U	0.363 U	0.357 U
2-Chlorotoluene	Not Listed	0.373 U	0.374 U	0.372 U	0.382 U	0.376 U
1,3,5-Trimethylbenzene	Not Listed	**0.898**	0.354 U	0.352 U	0.362 U	0.356 U
1,2,4-Trimethylbenzene	Not Listed	**3.23**	**0.784**	**0.318 J**	**0.817**	**0.414**

ABLE CONTRACTING FIRE
AIR SAMPLE RESULTS FOR JULY 27 and 28, 2019

		BACKGROUND	STATION 1 (SE Corner)	STATION 2 (SW Corner)	STATION 1 (SE Corner)	STATION 2 (SW Corner)
		ACF-AS-BKGD-072819	ACF-AS-RES-AM-072719	ACF-AS-SMOKE-AM-072719	ACF-AS-RES-PM-072719	ACF-AS-SMOKE-PM-072719
Date		**7/28/2019**	**7/27/2019**	**7/27/2019**	**7/27/2019**	**7/27/2019**
Start Time		**11:30**	**0:18**	**1:00**	**12:10**	**12:15**
End time		**19:15**	**8:10**	**8:35**	**20:20**	**20:30**
Analyte	**EPA RMLs**	***Sample Volume***	***Sample Volume***	***Sample Volume***	***Sample Volume***	***Sample Volume***
1,3-Dichlorobenzene	Not Listed	0.434 U	0.436 U	0.433 U	0.445 U	0.438 U
1,4-Dichlorobenzene	Not Listed	0.431 U	0.433 U	0.431 U	0.442 U	0.435 U
Benzyl chloride	3.1	0.369 U	0.371 U	0.369 U	0.379 U	0.373 U
1,2-Dichlorobenzene	Not Listed	0.438 U	0.44 U	0.438 U	0.449 U	0.442 U
1,2,4-Trichlorobenzene	Not Listed	0.538 U	0.541 U	0.538 U	0.553 U	0.544 U
Hexachlorobutadiene	13	0.764 U	0.767 U	0.763 U	0.784 U	0.772 U
Naphthalene	Not Listed	**0.336** J	0.39 U	0.388 U	0.398 U	**0.537**
1-Bromopropane	Not Listed	0.355 U	0.357 U	0.355 U	0.365 U	0.359 U
1-Octene	Not Listed	0.321 U	0.322 U	0.321 U	0.329 U	0.324 U
n-Octane	Not Listed	**0.99**	**0.353**	0.334 U	0.343 U	**0.562**
Isopropylbenzene	Not Listed	0.357 U	**0.838**	0.421	0.366 U	**1.06**
n-Propylbenzene	Not Listed	**0.629**	0.359 U	0.357 U	0.367 U	0.361 U
Semivolatile Organic Compounds (µg/m³)		***439.4 Liters***	***486.2 Liters***	***562.5 Liters***	***421.4 Liters***	***438.3 Liters***
Semivolatile Organic Compounds	Not Listed	None detected	None detected	None detected	None detected	None detected
N-Nitrosodimethylamine	Not Listed	8.78 U	7.94 U	6.86 U	9.16 U	8.81 U
Pyridine	Not Listed	17.1 U	15.4 U	13.3 U	17.8 U	17.1 U
Phenol (CCC)	Not Listed	7.39 U	6.67 U	5.77 U	7.70 U	7.40 U
Aniline	3.1	7.90 U	7.14 U	6.17 U	8.23 U	7.92 U
bis(2-Chloroethyl)ether	0.85	8.97 U	8.10 U	7.00 U	9.35 U	8.99 U
2-Chlorophenol	Not Listed	7.10 U	6.42 U	5.55 U	7.40 U	7.12 U
1,3-Dichlorobenzene	Not Listed	6.35 U	5.74 U	4.96 U	6.62 U	6.37 U
1,4-Dichlorobenzene (CCC)	Not Listed	6.01 U	5.43 U	4.69 U	6.26 U	6.02 U
Benzyl alcohol	Not Listed	7.97 U	7.20 U	6.22 U	8.31 U	7.99 U
1,2-Dichlorobenzene	Not Listed	6.35 U	5.74 U	4.96 U	6.62 U	6.37 U
2-Methylphenol	Not Listed	7.70 U	6.96 U	6.02 U	8.03 U	7.72 U
bis(2-Chloroisopropyl) ether	Not Listed	11.2 U	10.1 U	8.73 U	11.7 U	11.2 U
3/4-Methylphenol	Not Listed	6.73 U	6.08 U	5.25 U	7.01 U	6.74 U
N-Nitroso-di-n-propylamine (SPCC)	Not Listed	9.47 U	8.56 U	7.40 U	9.87 U	9.49 U
o-Toluidine	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
Hexachloroethane	26	7.19 U	6.50 U	5.62 U	7.50 U	7.21 U
Nitrobenzene	7	9.29 U	8.39 U	7.25 U	9.68 U	9.31 U
Isophorone	6300	8.51 U	7.69 U	6.65 U	8.88 U	8.53 U
2,4-Dimethylphenol	Not Listed	8.30 U	7.50 U	6.48 U	8.65 U	8.32 U
2-Nitrophenol (CCC)	Not Listed	7.61 U	6.88 U	5.95 U	7.94 U	7.63 U
Benzoic acid	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
bis(2-Chloroethoxy)methane	Not Listed	8.33 U	7.53 U	6.51 U	8.69 U	8.35 U
2,4-Dichlorophenol (CCC)	Not Listed	7.42 U	6.71 U	5.80 U	7.74 U	7.44 U
a,a-Dimethylphenethylamine	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
1,2,4-Trichlorobenzene	Not Listed	7.02 U	6.35 U	5.48 U	7.32 U	7.04 U
Naphthalene	Not Listed	7.57 U	6.84 U	5.91 U	7.89 U	7.59 U
4-Chloroaniline	Not Listed	9.66 U	8.73 U	7.55 U	10.1 U	9.69 U
Hexachlorobutadiene (CCC)	Not Listed	6.93 U	6.26 U	5.41 U	7.23 U	6.95 U
Quinoline	Not Listed	11.4 U	10.3 U	8.89 U	11.9 U	11.4 U
1,4-Phenylenediamine	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
4-Chloro-3 methylphenol (CCC)	Not Listed	7.52 U	6.80 U	5.88 U	7.84 U	7.54 U
2-Methylnaphthalene	Not Listed	7.03 U	6.36 U	5.49 U	7.33 U	7.05 U
1-Methylnaphthalene	Not Listed	6.98 U	6.30 U	5.45 U	7.27 U	6.99 U
Hexachlorocyclopentadiene (SPCC)	Not Listed	92.4 U	83.5 U	72.2 U	96.3 U	92.6 U
2,4,6-Trichlorophenol (CCC)	Not Listed	8.40 U	7.59 U	6.56 U	8.76 U	8.42 U
2,4,5-Trichlorophenol	Not Listed	6.16 U	5.56 U	4.81 U	6.42 U	6.17 U
Biphenyl	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
2-Chloronaphthalene	Not Listed	7.42 U	6.71 U	5.80 U	7.74 U	7.44 U
2-Nitroaniline	Not Listed	11.0 U	9.93 U	8.59 U	11.5 U	11.0 U
1,4-Dinitrobenzene	Not Listed	7.65 U	6.91 U	5.97 U	7.97 U	7.67 U
Dimethylphthalate	Not Listed	9.21 U	8.32 U	7.19 U	9.60 U	9.23 U
1,3-Dinitrobenzene	Not Listed	9.32 U	8.42 U	7.28 U	9.72 U	9.34 U
2,6-Dinitrotoluene	Not Listed	8.82 U	7.97 U	6.89 U	9.20 U	8.84 U
1,2-Dinitrobenzene	Not Listed	8.84 U	7.99 U	6.91 U	9.22 U	8.86 U
Acenaphthylene	Not Listed	7.68 U	6.94 U	6.00 U	8.01 U	7.70 U
3-Nitroaniline	Not Listed	9.29 U	8.39 U	7.25 U	9.68 U	9.31 U
Acenaphthene (CCC)	Not Listed	10.6 U	9.61 U	8.30 U	11.1 U	10.7 U
2,4-Dinitrophenol (SPCC)	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
4-Nitrophenol (SPCC)	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
2,4-Dinitrotoluene	Not Listed	9.15 U	8.27 U	7.15 U	9.54 U	9.17 U
Dibenzofuran	Not Listed	7.83 U	7.08 U	6.12 U	8.16 U	7.85 U
2,3,5,6-Tetrachlorophenol	Not Listed	8.66 U	7.83 U	6.76 U	9.03 U	8.68 U
2,3,4,6-Tetrachlorophenol	Not Listed	7.98 U	7.21 U	6.23 U	8.32 U	8.00 U
Diethylphthalate	Not Listed	11.6 U	10.5 U	9.07 U	12.1 U	11.6 U
4-Chlorophenyl-phenylether	Not Listed	8.58 U	7.75 U	6.70 U	8.95 U	8.60 U
Fluorene	Not Listed	8.91 U	8.05 U	6.96 U	9.29 U	8.93 U
4-Nitroaniline	Not Listed	7.90 U	7.14 U	6.17 U	8.24 U	7.92 U
4,6-Dinitro2-methylphenol	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
N-Nitrosodiphenylamine (CCC)	Not Listed	8.15 U	7.36 U	6.36 U	8.50 U	8.17 U
Azobenzene	9.1	11.3 U	10.2 U	8.81 U	11.8 U	11.3 U
4-Bromophenyl-phenylether	Not Listed	7.64 U	6.90 U	5.96 U	7.96 U	7.65 U
Hexachlorobenzene	0.61	6.21 U	5.61 U	4.85 U	6.48 U	6.23 U
Pentachlorophenol (CCC)	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
Phenanthrene	Not Listed	8.77 U	7.93 U	6.85 U	9.15 U	8.80 U
Anthracene	Not Listed	8.65 U	7.82 U	6.76 U	9.02 U	8.67 U
Carbazole	Not Listed	8.02 U	7.25 U	6.27 U	8.36 U	8.04 U
Di-n-butylphthalate	Not Listed	11.8 U	10.7 U	9.24 U	12.3 U	11.9 U
Fluoranthene (CCC)	Not Listed	10.5 U	9.45 U	8.17 U	10.9 U	10.5 U
Benzidine	0.0015	259 U	234 U	203 U	271 U	260 U
Pyrene	Not Listed	10.7 U	9.64 U	8.33 U	11.1 U	10.7 U
4-Dimethylaminoazobenzene	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
Butylbenzylphthalate	Not Listed	9.22 U	8.33 U	7.20 U	9.61 U	9.24 U
3,3-Dimethylbenzidine	Not Listed	123 U	111 U	96.0 U	128 U	123 U
bis(2-Ethylhexyl)adipate	Not Listed	9.95 U	8.99 U	7.77 U	10.4 U	9.97 U
3,3-Dimethoxybenzidine	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
bis(2-Ethylhexyl)phthalate	Not Listed	19.8 U	17.9 U	15.5 U	20.6 U	19.8 U
3,3'-Dichlorobenzidine	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
Benzo(a)anthracene	Not Listed	6.26 U	5.66 U	4.89 U	6.53 U	6.27 U
Chrysene	Not Listed	6.33 U	5.72 U	4.94 U	6.60 U	6.34 U
Di-n-octylphthalate (CCC)	Not Listed	7.33 U	6.62 U	5.72 U	7.64 U	7.35 U

ABLE CONTRACTING FIRE
AIR SAMPLE RESULTS FOR JULY 27 and 28, 2019

		BACKGROUND	STATION 1 (SE Corner)	STATION 2 (SW Corner)	STATION 1 (SE Corner)	STATION 2 (SW Corner)
		ACF-AS-BKGD-072819	ACF-AS-RES-AM-072719	ACF-AS-SMOKE-AM-072719	ACF-AS-RES-PM-072719	ACF-AS-SMOKE-PM-072719
Date		**7/28/2019**	**7/27/2019**	**7/27/2019**	**7/27/2019**	**7/27/2019**
Start Time		**11:30**	**0:18**	**1:00**	**12:10**	**12:15**
End time		**19:15**	**8:10**	**8:35**	**20:20**	**20:30**
Analyte	**EPA RMLs**	***Sample Volume***	***Sample Volume***	***Sample Volume***	***Sample Volume***	***Sample Volume***
7,12-Dimethylbenz(a)anthracene	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
Benzo(b)fluoranthene	Not Listed	3.41 U	3.09 U	2.67 U	3.56 U	3.42 U
Benzo(k)fluoranthene	Not Listed	4.05 U	3.66 U	3.16 U	4.22 U	4.06 U
Benzo(e)pyrene	Not Listed	3.87 U	3.50 U	3.02 U	4.03 U	3.88 U
Benzo(a)pyrene (CCC)	Not Listed	3.87 U	3.50 U	3.02 U	4.03 U	3.88 U
Perylene	Not Listed	3.87 U	3.50 U	3.02 U	4.03 U	3.88 U
3-Methylcholanthrene	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U
Indeno(1,2,3-cd)pyrene	Not Listed	3.41 U	3.09 U	2.67 U	3.56 U	3.42 U
Dibenz(a,h)anthracene	Not Listed	4.84 U	4.37 U	3.78 U	5.04 U	4.85 U
Benzo(g,h,i)perylene	Not Listed	4.01 U	3.62 U	3.13 U	4.18 U	4.02 U
Dibenzo(a,e)pyrene	Not Listed	56.9 U	51.4 U	44.4 U	59.3 U	57.0 U

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J	The identification of the analyte is acceptable; the reported value is an estimate
J+	The identification of the analyte is acceptable; the reported value is an estimate biased high
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ+3.0)
U	The analyte was not detected at or above the reporting limit
UJ	The analyte was not detected at or above the reporting limit; which is considered approximate due to
BOLD	Bolded values indicate a chemical detection
SHADE	Shaded values indicate an RML exceedance

ABLE CONTRACTING FIRE
AIR SAMPLE RESULTS FOR AUGUST 2, 2019

		STATION 1 (SE Corner)		STATION 2 (West Side)		STATION 3 (Upwind)	
		ACF-AS-RES-24HRVOC		ACF-AS-SMOKE-24HRVOC		ACF-AS-UPWIND-24HRVOC	
Date		**8/2/2019**		**8/2/2019**		**8/2/2019**	
Start Time		**20:10**		**20:30**		**21:00**	
End time		**15:20**		**12:55**		**16:55**	
Analyte	**EPA RMLs**	***Sample Volume***		***Sample Volume***		***Sample Volume***	
Volatile Organic Compounds (µg/m³)		-		-		-	
Propylene	9,400	**2.98**		**21.5**		**0.633**	
Freon 12 (CCl2F2)	Not Listed	**2.44**		**2.43**		**2.37**	
Freon 114 (C2Cl2F4)	Not Listed	0.481	U	0.483	U	0.489	U
Chloromethane	280	**3.53**		**13.8**		2.09	
Chloroethene (Vinyl chloride)	Not Listed	0.177	U	0.178	U	0.180	U
1,3-Butadiene	Not Listed	**0.195**		**2.35**		0.151	U
Bromomethane	16	0.264	U	**0.46**		0.268	U
Chloroethane	Not Listed	0.183	U	**0.268**		0.186	U
Bromoethene (Vinyl bromide)	Not Listed	0.300	U	0.301	U	0.305	U
Freon 11 (CCl3F)	Not Listed	**1.42**		**1.41**		**1.39**	
Ethanol	Not Listed	**2.62**		**3.26**		**1.21**	J+
Acrolein	0.063	**0.307**		**2.56**		**0.273**	
Freon 113 (C2Cl3F3)	Not Listed	**0.591**		**0.613**		**0.584**	
1,1-Dichloroethene	Not Listed	0.273	U	**0.274**	U	0.277	U
Acetone	97000	**6.87**		**14.7**		**5.46**	
Carbon disulfide	2200	**0.448**	J+	**0.736**	J+	**0.262**	J+
Isopropyl alcohol	Not Listed	**0.432**		**0.41**		**0.305**	
Allyl chloride (3-chloropropene)	Not Listed	0.217	U	0.218	U	0.220	U
Acetonitrile	190	**1.17**		**3.64**		**0.893**	
Methylene chloride	1900	**0.625**	J+	**0.66**	J+	**0.551**	
trans-1,2-Dichloroethene	Not Listed	0.278	U	0.279	U	0.282	U
Methyl tert-butyl ether	Not Listed	0.254	U	**0.355**		0.258	U
Acrylonitrile	4	0.153	U	**0.946**		0.155	U
Hexane	Not Listed	**0.849**		**1.71**		**0.28**	
1,1-Dichloroethane	Not Listed	0.274	U	0.275	U	0.278	U
Vinyl acetate	630	0.246	U	0.247	U	0.250	U
cis-1,2-Dichloroethene	Not Listed	0.275	U	0.276	U	0.279	U
Methyl ethyl ketone (2-Butanone)	16,000	**0.657**		**2.69**		0.42	
Ethyl acetate	220	**0.719**		**0.251**	U	0.253	U
Chloroform	12	0.340	U	**0.341**	U	0.345	U
Tetrahydrofuran	Not Listed	**0.222**		**1.32**		0.208	U
1,1,1-Trichloroethane	Not Listed	0.374	U	0.375	U	0.379	U
Cyclohexane	19,000	0.241	U	**0.319**		0.244	U
Carbon tetrachloride	47	**0.523**		**0.497**		**0.491**	
Benzene	36	**2.00**		**26.2**		0.223	U
2,2,4-trimethylpentane	Not Listed	**0.322**		0.331	U	0.334	U
1,2-Dichloroethane	Not Listed	0.285	U	0.286	U	0.289	U
Heptane	Not Listed	**0.478**		**1.51**		0.288	U
Trichloroethene	Not Listed	0.371	U	0.373	U	0.377	U
1,2-Dichloropropane	Not Listed	0.325	U	0.326	U	0.330	U
Methyl methacrylate	2200	0.292	U	**1.4**		0.297	U
1,4-Dioxane	Not Listed	0.251	U	**0.584**		0.254	U
Bromodichloromethane	7.6	0.458	U	0.460	U	0.465	U
cis-1,3-Dichloropropene	Not Listed	0.307	U	0.31	U	0.31	U
Methyl isobutyl ketone	Not Listed	0.291	U	0.292	U	0.295	U
Toluene	16000	**2.26**		**11.8**		**0.657**	
trans-1,3-Dichloropropene	Not Listed	0.317	U	0.319	U	0.322	U
1,1,2-Trichloroethane	Not Listed	0.376	U	0.378	U	0.382	U
Tetrachloroethene	Not Listed	0.471	U	0.473	U	0.478	U
2-Hexanone (Methyl butyl ketone)	Not Listed	0.286	U	**0.338**		0.291	U
Dibromochloromethane	Not Listed	0.578	U	0.581	U	0.587	U
1,2-Dibromoethane	Not Listed	0.535	U	0.538	U	0.544	U
Chlorobenzene	160	0.326	U	**0.748**		0.331	U
Ethylbenzene	110	**1.33**		**8**		0.298	U
1,1,1,2-Tetrachloroethane	Not Listed	0.472	U	0.474	U	0.479	U
m-/p-Xylenes	Not Listed	**0.673**		**2.07**		0.307	U
o-Xylene	Not Listed	**0.284**	J+	**0.98**		0.303	U
Styrene	3100	**0.842**		**21.2**		0.29	U
Bromoform	260	0.714	U	0.717	U	0.725	U
1,1,2,2-Tetrachloroethane	Not Listed	0.472	U	0.474	U	0.479	U
4-Ethyltoluene	Not Listed	0.341	U	0.342	U	0.346	U
2-Chlorotoluene	Not Listed	0.359	U	0.360	U	0.364	U
1,3,5-Trimethylbenzene	Not Listed	0.339	U	**0.535**		0.344	U
1,2,4-Trimethylbenzene	Not Listed	0.336	U	**0.534**		0.341	U
1,3-Dichlorobenzene	Not Listed	0.417	U	0.419	U	0.424	U

ABLE CONTRACTING FIRE
AIR SAMPLE RESULTS FOR AUGUST 2, 2019

		STATION 1 (SE Corner)		STATION 2 (West Side)		STATION 3 (Upwind)	
		ACF-AS-RES-24HRVOC		ACF-AS-SMOKE-24HRVOC		ACF-AS-UPWIND-24HRVOC	
Date		**8/2/2019**		**8/2/2019**		**8/2/2019**	
Start Time		**20:10**		**20:30**		**21:00**	
End time		**15:20**		**12:55**		**16:55**	
Analyte	**EPA RMLs**	***Sample Volume***		***Sample Volume***		***Sample Volume***	
Volatile Organic Compounds (µg/m³)		-		-		-	
1,4-Dichlorobenzene	Not Listed	0.415	U	0.417	U	0.421	U
Benzyl chloride	3.1	0.355	U	0.357	U	0.361	U
1,2-Dichlorobenzene	Not Listed	0.422	U	0.423	U	0.428	U
1,2,4-Trichlorobenzene	Not Listed	0.518	U	0.520	U	0.526	U
Hexachlorobutadiene	13	0.735	U	0.738	U	0.746	U
Naphthalene	Not Listed	0.373	U	**1.02**		0.379	U
1-Bromopropane	Not Listed	0.342	U	0.343	U	0.347	U
1-Octene	Not Listed	0.309	U	0.310	U	0.314	U
n-Octane	Not Listed	0.322	U	**0.957**		0.327	U
Isopropylbenzene	Not Listed	**0.466**		**1.92**		**0.355**	
n-Propylbenzene	Not Listed	0.344	U	**0.453**		0.349	U

Notes:

ACF	Able Contracting Fire
EPA	Environmental Protection Agency
J+	The identification of the analyte is acceptable; the reported value is an estimate biased high
µg/m³	Micrograms per cubic meter
NA	Not Analysed
ND	Not Detected
RMLs	Removal Management Levels; Residential Ambient Air, April 2019. (Lower value of carcinogenic/noncarcinogenic listed; TR=1E-04/THQ+3.0)
U	The analyte was not detected at or above the reporting limit
UJ	The analyte
BOLD	Bolded values
SHADE	Shaded values indicate an RML exceedance

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

August 29, 2019

Mr. Hieu Michael Powers
CERCLA Strike Team Project Manager
USCG
4200 Wilson Blvd., Suite 1000
Arlington, VA 22203

SUBJECT: IA DW #7094608401 (Increase Funding)

Dear Mr. Powers:

Enclosed is a work authorization under Interagency Agreement (IA) DW #709460801. This work authorization is to *increase funding in the amount of $30,000.00* to the U.S. Coast Guard Gulf Strike Team (USCG) to assist with oversight of contractors and subcontractors conducting air monitoring, documentation and reporting, and health and safety concerns at the Able Contracting Fire located in Ridgeland, Jasper County, South Carolina (site # C4A9RV00).

All activities conducted under this work authorization must be consistent with the IA referenced above. Funding for costs incurred by your agency is provided under the authority of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA, as amended).

The work authorization contains the following Superfund Account Numbers: 11TCD4ADOE 302DC6C C4A9RV00 for the above site. This accounting string must be cited on all financial and management reports, including all claims for reimbursement (invoices) and required progress reports.

Sincerely,

Robenson Joseph, Chief
Resource Management Section
Superfund & Emergency Management Division

Enclosure

cc: EPA-Cincinnati
MSTC Isaac Chavalia, USCG

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION IV

WORK AUTHORIZATION FORM

Original | X Increase | Decrease | Amendment to Extend Period of Performance

AUTHORIZATION IS HEREBY GIVEN TO PROVIDE TECHNICAL ASSISTANCE AS DESCRIBED IN THE GENERIC INTERAGENCY AGREEMENT IDENTIFIED BELOW. THE FOLLOWING INFORMATION IS PROVIDED FOR COST DOCUMENTATION PURPOSES:

IA NUMBER:	DW 7094608401		
SITE NAME:	Able Contracting		
EPA SITE ID NO:	C4A9		
TECHNICAL PROJECT OFFICER:	Matt Huyser	TELEPHONE:	(404) 562-8934
IA PROJECT OFFICER:	Leonna Teasley	TELEPHONE:	(404) 562-8509
PERIOD OF PERFORMANCE:	08/14/2019	TO:	09/30/2019

PREVIOUS	INCREASE/DECREASE	CURRENT FUNDING
$20,000.00	$30,000.00	$50,000.00

EPA Accounting Information

	DCN	SUPERFUND ACCOUNT NUMBER	OBCLS	AMOUNT
DEOBLIGATE FROM:	DZ1003	11 TCD 4ADOE 302DC6C 04WQRV00	25.06	$30,000.00
OBLIGATE TO:	DZ1003	11 TCD 4ADOE 302DC6C C4A9RV00	25.06	$30,000.00

Leonna Teasley /s/
Grants Project Officer

08/22/2019
Date

Funds Certifying Officer

Date

Original To: USEPA
Accounting Operations Office (MS 002)
Cincinnati, OH 45268

Compass Data Warehouse

Document Review

Compass Document ID DW70946084

Document Summary:
Doc Type: [illegible]
Doc No: DW[illegible]
Order Date: [illegible]
Closed Date
Servicing Finance Office: [illegible]
Order Amount: $[illegible]
Net Paid Amount: $[illegible]
Closed Amount: $[illegible]
Available Amount: $
Vendor Code: [illegible] Vendor: Dept of Homeland Security
Description: [illegible]
Extended Description

Document Details: Expand

Line	Line Amt	Expended Amt	Closed Amt	Refunded Amt	Available Amt	BFY	Fund	Org	Program	Project	FOC	CostOrg	Comments	Extended Description
	[illegible]	$25,[illegible]	$25,[illegible]	$0.00	$[illegible]	2007	T	4AD0E	302DC6C	A4NPRV00	2506	C020	RQ094ADZ9003	
	[illegible]	$1[illegible]	$10,[illegible]	$0.00	$[illegible]	2007	T	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9003	
	[illegible]	[illegible]	$15,[illegible]	$0.00	$[illegible]	2007	T	4AD0E	302DC6C	A4NPRV00	2506	C020	RQ094ADZ9003	
	[illegible]	[illegible]	[illegible]	$0.00	$7,35[illegible].68	2009	TCD	4AD0E	302DC6C	04WQRV00	2506	C020	RQ094ADZ9103	
	[illegible]	$5[illegible]	$5[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9103	
	$3[illegible]	[illegible]2.25	$13[illegible]2.25	$0.00	$10,437.78	2009	TCD	4AD0E	302DC6C	A4NPRV00	2506	C020	RQ094ADZ9103	
	$8[illegible]	[illegible]	$8[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020	RQ094ADZ9104	
	[illegible]	[illegible]	[illegible]	$0.00	$58,[illegible]	2009	TCD	4AD0E	302DC6C	A4NPRV00	2506	C020	RQ094ADZ9103	
	[illegible]	$51,[illegible]	$5[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020	RQ094ADZ9103	
	[illegible]	[illegible]	$18,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	04ZZRS[illegible]	2506	C020	RQ094ADZ9103	
	$[illegible]	$[illegible]	$[illegible]	$0.00	$29,[illegible]2.74	2010	TR2B	04R0CNP	302DC6C	A4NPRV00	2506	C001	RQ104RL0038	
	$3[illegible],840.25	[illegible]	$3[illegible],840.25	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9103	
	$24,[illegible]	$24,[illegible]	$24,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9103	
	$28,[illegible]	$28,[illegible]	$28,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9103	
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020	RQ094ADZ9103	
	[illegible]	$10,[illegible]	$1[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020	RQ094ADZ9103	
	[illegible]	[illegible]	$1,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4G1RV00	2506	C020	RQ094ADZ9103	
	$1[illegible]	[illegible]	$14,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020	RQ094ADZ9103	
	$12[illegible]	$12,[illegible]	$12,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9103	
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020	RQ094ADZ9103	
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4K7RV00	2506	C020	RQ094ADZ9103	
	[illegible]	[illegible]	$15,[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020	RQ094ADZ9103	
	$2[illegible]	[illegible]	$2[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020	RQ094ADZ9103	
	$228,[illegible]	$[illegible]	$[illegible]	$0.00	$228,[illegible]	2011	TR2B	04R0CNP	302DC6C	A4NPRV00	2506	C001	RQ1104RL1048	
27	$263,053.50	$0.00	$0.00	$0.00	$263,053.50	2011	TCD	4AD0E	302DC6C	04WQRV00	2506	C020	RQ114ADZ1003	
	$0.00	[illegible]	[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	A4NDRV00	2506	C020		
	[illegible]	[illegible]	$2[illegible]	$0.00	$[illegible]	2011	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020		
	[illegible]	$2[illegible]	$2[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020		
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020		
	$2[illegible]	$23,[illegible].67	$2[illegible]	$0.00	$[illegible]	2011	TCD	4AD0E	302DC6C	A4NNRV00	2506	C020		
	$2[illegible]	$2[illegible]	$2[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020		
	[illegible]	[illegible]	$10,[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020		
	$[illegible]	$[illegible]	$[illegible]	$0.00	$[illegible]	2012	[illegible]	4AD0E	302DC6	04WQRV00	2506	C001	RQ124ADZ2002 #DW94608401 USCG REMOV PA	
	[illegible]	[illegible]	$11,2[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	A4[illegible]RV00	2506	C020		
	$22,[illegible]	$2[illegible]	$22,[illegible]	$0.00	$[illegible]	2011	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020		
	$[illegible]	$2[illegible]	$2[illegible]	$0.00	$[illegible]	2011	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020		
	$2[illegible]	$2[illegible]	$24,[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020		
	$2[illegible]	$2[illegible]	$2[illegible]	$0.00	$[illegible]	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	$22,[illegible]	$2[illegible]	$22,[illegible]	$0.00	$[illegible]	2009	TCD	4AD0E	302DC6C	[illegible]RV00	2506	C020		
	$[illegible]	[illegible]	$[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4E1RV00	2506	C020		
	$[illegible].22	$[illegible].22	$[illegible].22	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]BB00	2506	C020		
	$[illegible]	$[illegible]	$4[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]WRV00	2506	C020		
	$2[illegible]	$2[illegible]	$2[illegible]	$0.00	$0.00	2009	TCD	4AD0E	302DC6C	B4[illegible]WRV00	2506	C020		
	$[illegible]	$[illegible]	$4[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]WRV00	2506	C020		
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	$2[illegible]	$2[illegible].87	$2[illegible].87	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]WRV00	2506	C020		
	[illegible]	$[illegible]	$[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	[illegible]	[illegible]	$1[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	$[illegible]	$[illegible]	$[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	[illegible]	[illegible]	$3,[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	[illegible]2RV00	2506	C020		
	[illegible]	[illegible]	$0.00	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]CRV00	2506	C020		
	$3,2[illegible]	$3,2[illegible]	$3,2[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]ORV00	2506	C020		
	[illegible]	[illegible]	[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]ORV00	2506	C020		
	[illegible]	$8,[illegible]	$8,[illegible]	$0.00	$0.00	2011	TCD	4AD0E	302DC6C	B4[illegible]RV00	2506	C020		

Scope of Work
USCG Gulf Strike Team Support
Able Contracting Fire
Ridgeland, Jasper County, SC

Site
Able Contracting Fire
472 Schinger Ave
Ridgeland, SC 29936
Site ID: C4A9

Date of Deployment
Aug 14, 2109

Level of Effort and Duration
Four (4) GST personnel is to mobilize to the site. Personnel are anticipated to be on site for 30 days.

Site Description
Able Contracting (the Site) is a construction and demolition debris recycling facility located at 472 Schinger Ave in Ridgeland, Jasper County, South Carolina. The facility reportedly receives construction and demolition debris from residential properties. The Site is estimated at 8.25 acres in size and contains approximately four acres of stockpiled material that has been accumulated over time. The pile is approximately 35 feet high. There are various other buildings onsite including a maintenance shop and office building. The Site is located in a mixed-use area consisting of commercial and residential properties to the south and east of the site.

The stockpiled material has ignited multiple times over the past several years. The current fire began in early July 2019. Since then, local responders, as well as personnel from Able Contracting, have been attempting to extinguish the fire until July 23 when the large water supply pump was damaged by a lightning strike. Smoke from the smoldering fire continued to increase over the next several days when firefighting efforts were ceased. The EPA was requested by South Carolina Department Health and Environmental Conservation (SCDHEC) to conduct air monitoring and sampling to determine if any hazardous substances were being discharged from the smoldering fire.

Scope of Work
- Provide Safety Officer (SO) to the incident management team (IMT)
- Assist with the air monitoring efforts for the response and removal activities
- Assist with the documentation and reporting of site conditions and downwind impacts of the plume
- Assist the OSC with contractor oversight and reporting and advising on safe operational activities

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Baum's Castorine Co. Inc.
200 Matthew Street
Rome NY 13440

Report Date: June 10, 2019 14:14

Project: Novacool UEF

Account #: 44390
Group Number: 2044938
PO Number: 010980
State of Sample Origin: NY

Electronic Copy To Baum's Castorine Co. Inc. Attn: Paul Berger

Respectfully Submitted,

Elizabeth M. Bauer

Elizabeth M. Bauer
Project Manager

(717) 556-7290

To view our laboratory's current scopes of accreditation please go to https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/ . Historical copies may be requested through your project manager.

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
Novacool UEF Product Sample	05/17/2019 15:30	1062334

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Analysis Report

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Sample Description: **Novacool UEF Product Sample**

Project Name: **Novacool UEF**

Baum's Castorine Co. Inc.
ELLE Sample #: G5 1062334
ELLE Group #: 2044938
Matrix: Misc Organic

Submittal Date/Time: 05/21/2019 09:50
Collection Date/Time: 05/17/2019 15:30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	
14473	10:2Fluorotelomersulfonic acid	120226-60-0	< 15,000	15,000	10
14473	4:2-Fluorotelomersulfonic acid	757124-72-4	< 15,000	15,000	10
14473	6:2-Fluorotelomersulfonic acid	27619-97-2	< 10,000	10,000	10
14473	8:2-Fluorotelomersulfonic acid	39108-34-4	< 30,000	30,000	10
14473	NEtFOSAA	2991-50-6	< 15,000	15,000	10
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.				
14473	NEtPFOSA	4151-50-2	< 45,000	45,000	10
	NEtPFOSA is the acronym for N-ethylperfluoro-1-octanesulfonamide				
14473	NEtPFOSAE	1691-99-2	< 15,000	15,000	10
	NEtPFOSAE is the acronym for 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol				
14473	NMeFOSAA	2355-31-9	< 15,000	15,000	10
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.				
14473	NMePFOSA	31506-32-8	< 45,000	45,000	10
	NMePFOSA is the acronym for N-methylperfluoro-1-octanesulfonamide				
14473	NMePFOSAE	24448-09-7	< 15,000	15,000	10
	NMePFOSAE is the acronym for 2-(N-methylperfluoro-1-octanesulfonamido)-ethanol				
14473	Perfluorobutanesulfonic acid	375-73-5	< 5,000	5,000	10
14473	Perfluorobutanoic acid	375-22-4	< 30,000	30,000	10
14473	Perfluorodecanesulfonic acid	335-77-3	< 10,000	10,000	10
14473	Perfluorodecanoic acid	335-76-2	< 10,000	10,000	10
14473	Perfluorododecanesulfonic acid	79780-39-5	< 5,000	5,000	10
14473	Perfluorododecanoic acid	307-55-1	< 10,000	10,000	10
14473	Perfluoroheptanesulfonic acid	375-92-8	< 10,000	10,000	10
14473	Perfluoroheptanoic acid	375-85-9	< 5,000	5,000	10
14473	Perfluorohexadecanoic acid	67905-19-5	< 5,000	5,000	10
14473	Perfluorohexanesulfonic acid	355-46-4	< 10,000	10,000	10
14473	Perfluorohexanoic acid	307-24-4	< 10,000	10,000	10
14473	Perfluorononanesulfonic acid	68259-12-1	< 10,000	10,000	10
14473	Perfluorononanoic acid	375-95-1	< 10,000	10,000	10
14473	Perfluorooctadecanoic acid	16517-11-6	< 10,000	10,000	10
14473	Perfluorooctanesulfonamide	754-91-6	< 15,000	15,000	10
14473	Perfluorooctanesulfonic acid	1763-23-1	< 10,000	10,000	10
14473	Perfluorooctanoic acid	335-67-1	< 5,000	5,000	10
14473	Perfluoropentanesulfonate	2706-91-4	< 10,000	10,000	10
14473	Perfluoropentanoic acid	2706-90-3	< 30,000	30,000	10
14473	Perfluorotetradecanoic acid	376-06-7	< 5,000	5,000	10
14473	Perfluorotridecanoic acid	72629-94-8	< 5,000	5,000	10
14473	Perfluoroundecanoic acid	2058-94-8	< 10,000	10,000	10

Reporting limits were raised due to interference from the sample matrix.

The recovery for sample injection standard peak areas and several extraction standards is outside of QC acceptance limits as noted on the QC Summary due to the matrix of the sample.

Target analytes were outside of QC acceptance limits as noted on the QC Summary in the Laboratory Control Spike(s) associated with this

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Analysis Report

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Sample Description: **Novacool UEF Product Sample**

Project Name: **Novacool UEF**

Baum's Castorine Co. Inc.
ELLE Sample #: G5 1062334
ELLE Group #: 2044938
Matrix: Misc Organic

Submittal Date/Time: 05/21/2019 09:50
Collection Date/Time: 05/17/2019 15:30

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor

sample.

Sample Comments

State of New York Certification No. 10670

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	32 PFAS in Product	EPA 537 Version 1.1 Modified	1	19151013	06/05/2019 17:07	Jason W Knight	10
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19151013	05/31/2019 12:10	Robert Brown	1

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Quality Control Summary

Client Name: Baum's Castorine Co. Inc.
Reported: 06/10/2019 14:14

Group Number: 2044938

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ng/l	ng/l
Batch number: 19151013	Sample number(s): 1062334	
10:2Fluorotelomersulfonic acid	< 1,500	1,500
4:2-Fluorotelomersulfonic acid	< 1,500	1,500
6:2-Fluorotelomersulfonic acid	< 1,000	1,000
8:2-Fluorotelomersulfonic acid	< 3,000	3,000
NEtFOSAA	< 1,500	1,500
NEtPFOSA	< 4,500	4,500
NEtPFOSAE	< 1,500	1,500
NMeFOSAA	< 1,500	1,500
NMePFOSA	< 4,500	4,500
NMePFOSAE	< 1,500	1,500
Perfluorobutanesulfonic acid	< 500	500
Perfluorobutanoic acid	< 3,000	3,000
Perfluorodecanesulfonic acid	< 1,000	1,000
Perfluorodecanoic acid	< 1,000	1,000
Perfluorododecanesulfonic acid	< 500	500
Perfluorododecanoic acid	< 1,000	1,000
Perfluoroheptanesulfonic acid	< 1,000	1,000
Perfluoroheptanoic acid	< 500	500
Perfluorohexadecanoic acid	< 500	500
Perfluorohexanesulfonic acid	< 1,000	1,000
Perfluorohexanoic acid	< 1,000	1,000
Perfluorononanesulfonic acid	< 1,000	1,000
Perfluorononanoic acid	< 1,000	1,000
Perfluorooctadecanoic acid	< 1,000	1,000
Perfluorooctanesulfonamide	< 1,500	1,500
Perfluorooctanesulfonic acid	< 1,000	1,000
Perfluorooctanoic acid	< 500	500
Perfluoropentanesulfonate	< 1,000	1,000
Perfluoropentanoic acid	< 3,000	3,000
Perfluorotetradecanoic acid	< 500	500
Perfluorotridecanoic acid	< 500	500
Perfluoroundecanoic acid	< 1,000	1,000

LCS/LCSD

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Baum's Castorine Co. Inc.
Reported: 06/10/2019 14:14

Group Number: 2044938

LCS/LCSD

Analysis Name	LCS Spike Added ng/l	LCS Conc ng/l	LCSD Spike Added ng/l	LCSD Conc ng/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 19151013	Sample number(s): 1062334								
10:2Fluorotelomersulfonic acid	3856	4205.1	3856	4042.04	109	105	49-186	4	30
4:2-Fluorotelomersulfonic acid	3736	3528.35	3736	3839.41	94	103	82-152	8	30
6:2-Fluorotelomersulfonic acid	3792	4039.56	3792	4165.05	107	110	66-155	3	30
8:2-Fluorotelomersulfonic acid	3832	4098.38	3832	4287.92	107	112	66-148	5	30
NEtFOSAA	1360	1536.53	1360	1470.31	113	108	55-169	4	30
NEtPFOSA	1360	1500.08	1360	< 4,500	110	0*	70-130	200*	30
NEtPFOSAE	1360	1774.37	1360	1774.99	130	131*	70-130	0	30
NMeFOSAA	1360	1533.14	1360	1269.87	113	93	44-147	19	30
NMePFOSA	1360	< 4,500	1360	< 4,500	0*	0*	70-130	0	30
NMePFOSAE	1360	1431.57	1360	1271.67	105	94	70-130	12	30
Perfluorobutanesulfonic acid	1204	1370.73	1204	1355.04	114	113	73-128	1	30
Perfluorobutanoic acid	1360	2793.07	1360	2482.96	205*	183*	74-142	12	30
Perfluorodecanesulfonic acid	1310	1464.94	1310	1584.46	112	121	60-135	8	30
Perfluorodecanoic acid	1360	1584.73	1360	1596.73	117	117	69-148	1	30
Perfluorododecanesulfonic acid	1316	1591.64	1316	1325.4	121	101	70-130	18	30
Perfluorododecanoic acid	1360	1522.3	1360	1466.36	112	108	75-136	4	30
Perfluoroheptanesulfonic acid	1294	1424.98	1294	1491.28	110	115	64-135	5	30
Perfluoroheptanoic acid	1360	1838.86	1360	1585.27	135	117	76-140	15	30
Perfluorohexadecanoic acid	1360	1625.96	1360	1734.28	120	128	21-151	6	30
Perfluorohexanesulfonic acid	1286	1332.36	1286	1379.36	104	107	71-131	3	30
Perfluorohexanoic acid	1360	1690.25	1360	1748.13	124	129	75-135	3	30
Perfluorononanesulfonic acid	1306	1555.94	1306	1490.93	119	114	66-133	4	30
Perfluorononanoic acid	1360	1615.99	1360	1647.5	119	121	72-148	2	30
Perfluorooctadecanoic acid	1360	1565.22	1360	1654.11	115	122	70-130	6	30
Perfluorooctanesulfonamide	1360	1322.97	1360	1498.2	97	110	65-164	12	30
Perfluorooctanesulfonic acid	1300	1427.45	1300	1292.11	110	99	67-138	10	30
Perfluorooctanoic acid	1360	1753.08	1360	1771.63	129	130	72-138	1	30
Perfluoropentanesulfonate	1276	1425.64	1276	1323.57	112	104	76-127	7	30
Perfluoropentanoic acid	1360	1530.02	1360	1566.84	113	115	74-134	2	30
Perfluorotetradecanoic acid	1360	1558.48	1360	1571.58	115	116	74-135	1	30
Perfluorotridecanoic acid	1360	1525.12	1360	1482.18	112	109	61-145	3	30
Perfluoroundecanoic acid	1360	1508.58	1360	1572.17	111	116	75-146	4	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Baum's Castorine Co. Inc.
Reported: 06/10/2019 14:14

Group Number: 2044938

Labeled Isotope Quality Control

Labeled isotope recoveries which are outside of the QC window are confirmed unless otherwise noted on the analysis report.

Analysis Name: 32 PFAS in Product
Batch number: 19151013

	13C4-PFBA	13C5-PFPeA	13C3-PFBS	13C2-4:2-FTS	13C5-PFHxA	13C3-PFHxS
1062334	77	77	73	248*	229*	188*
Blank	90	86	87	97	91	84
LCS	95	93	91	108	96	99
LCSD	85	86	84	94	88	88
Limits:	33-123	31-157	26-148	21-182	35-138	34-126

	13C4-PFHpA	13C2-6:2-FTS	13C8-PFOA	13C8-PFOS	13C9-PFNA	13C6-PFDA
1062334	161*	957*	82	77	67	74
Blank	91	94	89	85	86	93
LCS	95	98	96	98	106	99
LCSD	89	89	88	88	84	90
Limits:	35-126	32-170	48-122	50-121	41-144	47-125

	13C2-8:2-FTS	d3-NMeFOSAA	13C7-PFUnDA	d5-NEtFOSAA	13C2-PFDoDA	13C2-PFTeDA
1062334	84	231*	388*	334*	483*	645*
Blank	101	106	96	102	96	87
LCS	107	113	108	115	103	100
LCSD	91	122	102	113	102	90
Limits:	27-164	30-127	30-128	30-142	39-130	26-119

	13C8-PFOSA	d7-NMePFOSAE	d3-NMePFOSA	d9-NEtPFOSAE	d5-NEtPFOSA
1062334	61	383*	337*	502*	630*
Blank	111	36	49	39	44
LCS	111	45	49	48	40
LCSD	103	51	56	51	52
Limits:	11-127	10-128	10-104	10-121	10-106

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only
Acct. # 44390 Group # 2044938 Sample # 1062334

COC #583675

For Lab Use Only
FSC:
SCR#: 243274

Client Information

Client: Baum's Castorine Co. Inc.	Acct. #: 44390
Project Name/#: Novacool UEF	PWSID #:
Project Manager: Paul Berger	P.O. #: ~~0~~ 010980
Sampler: Paul Berger	Quote #: 220819A
State where samples were collected: New York	For Compliance: Yes ☐ No ☑

Matrix: Tissue ☐ Sediment ☐ Soil ☐; Water: Ground ☐ Potable ☐ Surface ☐ NPDES ☐; Other: product sample

Analysis Requested — Preservation and Filtration Codes: PFAS in Product

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Water	Other	Total # of Containers	PFAS in Product	Remarks
Novacool UEF	5/17/19	3:30 PM					X	1	32	

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 P=H_3PO_4
F=Field Filtered O=Other

Turnaround Time (TAT) Requested (please circle)
Standard Rush
(Rush TAT is subject to laboratory approval and surcharge.)

Requested TAT in business days: ____

E-mail address: ____

Relinquished by	Date	Time	Received by	Date	Time
Edwin Hernandez	5/14/19	1520	Paul H. Berger	5/15/19	3:00 PM
Paul H. Berger	5/20/19	3:00 PM			
			[signature]	5/21/19	09:50

Data Package Options (circle if required)
Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

EDD Required? Yes No
If yes, format: ____
Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ✓ FedEx ____ Other ____

Temperature upon receipt 2.8 °C

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The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7044 0718

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Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 249517

Group Number(s): 2044938

Client: Baum's Castorine Co. Inc.

Novacool UEF

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	05/21/2019 9:50
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	NY		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Katie Hartlove (2114) at 12:27 on 05/21/2019

Samples Chilled Details: Novacool UEF

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	2.8	DT	Wet	N	Bagged	N

Container Quantity Discrepancy Details: Novacool UEF

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
Novacool UEF	2	1	

2425 New Holland Pike
Lancaster, PA 17605-2425

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Baum's Castorine Co., Inc.
Manufacturing Chemists Since 1879

July 11, 2019

Extensive scientific research has shown that low levels of materials from the perfluorooctanyl chemistry are present in the environment, including living organisms, and they persist for long periods of time. PFOS (perfluorooctanyl sulfonate), together with surfactants that degrade to PFOA (Perfluorooctanoic acid), have been used to make aqueous film forming foam (AFFF).

Novacool UEF was developed as a Fluorine free universal extinguishing foam for use at 0.5%. It is a mixture of amphoteric, nonionic, and anionic surfactants containing no perfluoroalkyl functional groups. Testing by CH2M Hill show it to be readily degradable.

We have been asked to provide supporting evidence to our claim that Novacool UEF is formulated without the use of perfluoroalkyl surfactants. Novacool UEF Samples were submitted to Eurofins Lancaster Laboratories for testing by GCMS. No perfluoroalkyl compounds were detected at or above the lower detection limits of the test. For PFOS and PFOA the lower detection limits are 10,000 ng/l [0.01 ppm] and 5000 ng/l [0.005 ppm], respectively. Had these materials been used as performance ingredients in Novacool UEF, they would have been detected at many orders of magnitude higher than the limit.

Paul H. Berger

Paul H. Berger, President

Summary

- This guide is intended to be used for monitoring particulates released from fires. Effects from other potential pollutants and products of combustion are not addressed in this document. Refer to EPA Emergency Response Air Monitoring Guidance Tables, 2012 Edition 3[a] for guidance on other pollutants.
- $PM_{2.5}$ is the preferred metric for fire response particulate monitoring.
- The DataRAM 4 and the DustTrak DRX 8533EP are the standard monitoring instrument for measuring particulate concentrations.
- The E-BAM, available from ERT, is the alternate monitoring instrument when accuracy is a critical factor.
- Instrument accessories may be needed to offset weather variables and provide power during extended monitoring periods.
- Establish monitoring sites downwind of the hot zone and immediately upwind. Monitoring may also be recommended in the hot zone if there is a health risk to response workers.
- Use Table 1 to select the appropriate response action. Community action levels apply to everyone in neighboring areas affected by smoke. Worker action levels apply to response workers at the site.

Introduction

Fire presents a multitude of health and safety hazards as a result of effects on air quality. Smoke is the most visible air pollutant and is composed of Carbon Monoxide (CO), Carbon Dioxide (CO_2), Water Vapor, Particulate Matter (PM), hydrocarbons, organic chemicals, Nitric Oxides (NO_X), and minerals. Smoke can disperse quickly and may present significant health risks for nearby communities. Variables that impact dispersion include wind, temperature, moisture, and topography. Air monitoring guidance for these and other products of combustion are presented in the EPA Emergency Response Air Monitoring Guidance Tables[a].

PM consists of solid and liquid particles suspended in air. PM can readily enter the body through inhalation and can cause both acute and chronic health effects. Particulates will be present in all smoke resulting from a fire, regardless of the fuel source; however, different types of fuels will produce different sizes and concentrations of PM. Heat is also a factor which can effect particulate concentrations. After a fire has been suppressed, particulate concentrations can be higher during the smoldering phase because of less-complete combustion[b].

Most particulates in smoke are between 0.4 - 0.7 micrometers (μm) which is considered respirable. Particulates are typically classified as PM_{10} or $PM_{2.5}$ which refers to the particulate size.

- PM_{10} is defined as "course" particles measuring 10 μm or less in diameter.
- $PM_{2.5}$ is defined as "fine" particles with a diameter equal to or less than 2.5 μm.

It is recommended that monitoring efforts focus on measuring $PM_{2.5}$ during emergency fire responses. The California Air Resource Board states that most smoke particulates are between 0.4 – 0.7 μm, and concludes $PM_{2.5}$ would be a more practical monitoring parameter to use[b]. In 2007, Naeher et al. also indicated that $PM_{2.5}$ was the more suitable particulate monitoring metric [c]. Further, the EPA Air Quality Index (AQI) uses $PM_{2.5}$ in the health rating guide, also suggesting that $PM_{2.5}$ is the more appropriate standard when looking at the health hazards of particulates.

Links to Additional Information:

- Graph of particle size distribution of atmospheric particles
- Graph of particle size from particulate emissions
- Emission Study with graph of particle size distribution

Air Quality Thresholds, Actions and Recommendations

Evacuation and/or protect-in-place procedures should be recommended for areas downwind of or in the visible smoke cloud.

Once instrument readings become available, the concentrations may be an indication of potential exposure. Table 1 (for $PM_{2.5}$) and Table 2 (for PM_{10}) lists the threshold levels for different concentrations and the recommended actions that should be taken to prevent harm to community members and workers/responders at the response site. These actions may include communication with community members, evacuations, and medical monitoring. Consider consulting ATSDR to assist with generating public health statements, factsheets and possible development of a medical monitoring plan.

Criteria listed in the Protective Action Criteria (PAC) were assessed, but the values for particulates were much higher than those used in the AQI[d]. Because of this, the PAC values are not the preferred metric for response action guidance.

Odors and visible air opacity may trigger complaints and concerns in affected areas. Conditions and individual sensitivities can play a significant role in determining the point at which smoke becomes noticeable. If such concerns are presented, monitoring instrument results and Table 1 (for $PM_{2.5}$) and Table 2 (for PM_{10}) recommendations should be used to guide response actions.

TABLE 1: Threshold Levels and Recommended Response Actions for $PM_{2.5}$

$PM_{2.5}$ Threshold Levels (µg/m³)				
1 Hr. Avg.[1]	**24 Hr. Avg.[1]**	**Level of Health Concern**	**Meaning**	**Action**
COMMUNITY ACTION LEVELS				
0.0 – 40.0	0.0 – 12.0	Good	Air quality is considered satisfactory, and air pollution poses little or no risk	Implement communication plan [2].
40.1 – 80.0	12.1 - 35.4	Moderate	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive [3] to air pollution.	Issue public announcement about health effects [2]. Stay out of areas with visible smoke.
80.1 – 175.0	35.5 - 55.4	Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	Recommend evacuation or shelter-in-place for sensitive populations [2,4].
175.1 – 300.0	55.5 - 150.4	Unhealthy	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.	Consider closing schools and cancelling outdoor events. Recommend shelter-in-place for affected neighborhoods.
300.1 - 500.0	150.5 - 250.4	Very Unhealthy	Health warnings of emergency conditions. The entire population is more likely to be affected.	Consider closing schools and cancel all outdoor events. Recommend shelter-in-place and/or evacuation for affected neighborhoods.
> 500.0	> 250.5	Hazardous	Health alert: everyone may experience more serious health effects	Recommend closing schools & cancel outdoor events. Recommend closing workplaces and evacuating affected neighborhood.
Source	**Particulates not otherwise regulated/specified (µg/m³) 8 Hr. Avg.**		**Meaning**	**Action**
WORKER ACTION LEVELS				
OSHA PEL	15,000 (total dust) 5,000 (respirable fraction - <10µm)		Safe with use of level D PPE up to this level.	Levels above the 8 hour TWA require the use of level C PPE (use P100 particulate filter). See ERRB P100 – PPE Guidelines for Specific Activities/Tasks and P102 - Respiratory Protection Equipment Selection.
ACGIH TLV	10,000 (inhalable fraction - <100µm) 3,000 (respirable fraction - <10µm)		Safe with use of level D PPE up to this level.	Consider implementing industrial hygiene measures and/or using level C PPE.

[1] Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for $PM_{2.5}$ (24 hour) and Idaho Department of Environmental Quality AQI for $PM_{2.5}$ (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.

[2] Recommendations from EPA Air Now web site. See Reference E.

[3] People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.

[4] Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air. See Reference E.

TABLE 2: Threshold Levels and Recommended Response Actions for PM_{10}

PM_{10} Threshold Levels ($\mu g/m^3$)[1] 24 Hr. Avg.	Level of Health Concern	Meaning	Action
COMMUNITY ACTION LEVELS			
0.0 – 12.0	Good	None	Implement communication plan [2].
12.1 – 55.0	Moderate	Unusually sensitive[3] people should consider reducing prolonged or heavy exertion.	Issue public announcement about health effects [4].
55.1 – 155.0	Unhealthy for Sensitive Groups	Increasing likelihood of respiratory symptoms and aggravation of lung disease, such as asthma.	Recommend evacuation or shelter-in-place for sensitive populations [2,4].
155.1 – 255.0	Unhealthy	Increased respiratory symptoms and aggravation of lung disease, such as asthma; possible respiratory effects in general population.	Consider closing schools and cancelling outdoor events. Recommend shelter-in-place for affected neighborhoods.
255.1-355.0	Very Unhealthy	Significant increase in respiratory symptoms and aggravation of lung disease, such as asthma; increasing likelihood of respiratory effects in general population.	Consider closing schools and cancel all outdoor events. Recommend shelter-in-place and/or evacuation for affected neighborhoods.
355.1-425.0	Hazardous	Serious risk of respiratory symptoms and aggravation of lung disease, such as asthma; respiratory effects likely in general population.	Recommend closing schools & cancel outdoor events. Recommend closing workplaces and evacuating affected neighborhood.

[1] Threshold values taken from EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc
[2] Recommendations from EPA Air Now web site. See Reference E.
[3] People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
[4] Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air. See Reference E.

Monitoring Instruments and Methods

Region IV Emergency Response, Removal and Prevention Branch (ERRPB) currently uses the DataRAM 4 and the DustTrak DRX 8533EP for particulate monitoring.

The DustTrak DRX 8533EP was added to the Branch inventory in February 2017. The DustTrak uses light scattering measurement similar to the DataRAM 4 but has the ability to both size and mass fractions simultaneously. The unit concurrently provides PM10, PM4, PM2.5, PM1 and Total particulate data without having to change the impactor head. The customized units the Branch maintains have external pumps, and a built in/automatic heater unit that is preset to keep the moisture level below 40%.

The DataRAM 4 has advantages such as portability, an internal power supply, and a large detection range. One of the drawbacks of the DataRAM 4 is that mass concentrations tend to be over-estimated. United States Forestry Service (USFS) studies have shown that the DataRAM 4 estimations are on average 144% higher than actual concentrations[f]. Because of this, the USFS recommends applying a correction factor of 0.39 to instrument readings[f]. The DataRAM 4 is the preferred instrument when portability is important and/or if very high concentrations are expected (i.e. at source).

The E-BAM monitor is available through EPA Environmental Response Team (ERT), and is considered to be the most accurate monitoring instrument available. Some of the drawbacks include reduced portability (heavier, awkward shape), narrow detection range, and it requires an auxiliary power source. The E-BAM is the preferred instrument when accuracy is a critical factor and high concentrations are not expected (i.e. better for measuring fugitive dust concentrations on metals removal sites).

Use of monitoring instruments can also be affected by available resources, weather, and environmental conditions. Accessories and adapters may be required to offset the effects of these variables.

- Heater: A temperature conditioning heater must be used if humidity is > 40%. Without a heater in these conditions, measurements may be biased towards higher readings. Refer to instrument manual for further instruction. These are available for most particulate monitoring instruments.
- Power Generation: Most instruments will run for 15-24 hours on a full battery charge. A generator, solar panel, or auxiliary battery system will likely be needed for equipment without a built-in power supply or for continuous monitoring > 15 hours.
- GFCI: If a power generation system is used, a power strip/surge protector should be used to accommodate other accessories and monitoring equipment. This will also prevent possible electrical damage to expensive equipment.
- Impactor: The DataRAM and DustTrak are used with an impactor attachment which connects to the air intake. This functions as a pre-collector to help offset some of the effects of wind and precipitation. It should be utilized at all times.

TABLE 3. Instruments Available for an EPA Response

Criteria	DataRAM 4	E-BAM	DUSTTRAK DRX 8533EP
Accuracy (% above actual) [1]	144%	1%	Not determined
Detection Range (μg/m³) [2]	0.1 - 400,000	0.1 - 65,000	0.1 - 400,000
Weight (lbs)$_2$	13	28 (without battery)	
Setup Time	15 min	15-30 min	15 min
Measurement Method	light scattering	filter tape	90° light scattering
Power Requirements	Re-chargeable internal battery. 24 hr. run time.	Requires AC power source or external DC. Solar option avail.	Dual re-chargeable batteries, 12 hour run time each.
Availability	Regional Readiness Center (6 units)	1-2 days via EPA ERT	Regional Readiness Center (3 units)

[1] based on results from US Forest Service 2006 study *Smoke Particulate Monitors*. See Reference F.
[2] taken from manufacturers specifications.

Table 4. Comparison of Common Particulate Monitors on the Market

Criteria	DataRAM 4000	DataRAM 2000	E-BAM	E-Sampler	DUSTTRAK
Accuracy (% above actual)[1]	144%	15%	1%	13%	217%
Detection Range ($\mu g/m^3$)[2]	0.1 - 400,000	0.1 - 400,000	0.1 - 65,000	0.1 - 65,000	0.1 - 400,000
Weight (lbs)[2]	13	12	28 (without battery)	12 (without battery)	9 (device only); 38 (with enclosure)
Setup Time	15 min	15 min	15-30 min	15-30 min	Unknown
Measurement Method	light scattering	light scattering	filter tape	light scattering	90-degree light scattering
Power Requirements	Re-chargeable internal battery. 24 hr. run time.	Re-chargeable internal battery. 24 hr. run time.	Requires AC power source or external DC. Solar option	Requires AC power source or external DC. Solar option	Re-chargeable internal battery. 15-24 hr. run time.

[1] based on results from US Sorest Service 2006 study *Smoke Particulate Monitors*. See Reference a.
[2] taken from manufacturers specs

Monitoring Locations

Monitoring for particulates should take place both at the work zone and in surrounding areas where the smoke may travel or accumulate. Consider areas between the release point and sensitive receptors. Temperature, wind, and humidity can affect where smoke travels. As the earth's surface is heated in the afternoon, the atmosphere becomes more unstable when heated air expands. This causes smoke to disperse in a more vertical pattern in the afternoon and early evening. Warm temperatures or major changes in daytime high/low temperatures will cause the smoke to rise higher than in cooler temperatures with a narrow high/low range. As the atmosphere stabilizes overnight and through the morning, smoke will disperse horizontally and settle into low-lying areas and valleys[g].

Wind is a significant factor in smoke dispersion. Unstable atmospheric conditions in the afternoon also increase wind speed which increases the rate and distance of dispersion. Humidity above 80% can cause moisture to condense on smoke particles. This can create a fog type effect which slows and settles smoke. Precipitation can cause a similar effect and slow dispersion. Atmospheric inversions should be taken into consideration when determining monitoring locations and recommending evacuation or protect-in-place zones. An atmospheric inversion occurs when a layer of air that is warmer than the air below traps the surface air in place and prevents dispersion of any pollutants it contains.

Surface structures such as buildings and trees can significantly change air flow direction and cause stagnant air pockets to form. This can trap smoke in small, confined areas and create hot spots with significantly higher particulate concentrations than nearby locations. When monitoring areas which are surrounding the source consider the following:

- Downwind areas will be most impacted by smoke.
- It should be expected that particulate readings at ground level will be higher at night or in the morning than in the afternoon or early evening.

Monitoring at the work zone may be necessary to establish appropriate levels of PPE for response workers. This will also help to determine safe areas to stage response support activities where workers may not be using protective equipment.

When choosing a monitoring site, some additional items should also be considered:

- Availability of power sources will determine what type of power generation is required. The absence of auxiliary power will require more frequent maintenance and may require additional staffing, especially if the monitoring period is > 24 hours.
- Consider security measures (i.e. locked boxes, chains, etc.) if instruments are to be sited in public areas and left unattended.
- Ensure generators or equipment from other activities which may release emissions do not interfere with monitoring stations.
- Power lines or electrical utility areas should be avoided.

Health Effects

PM_{10} and $PM_{2.5}$ are considered to be respirable. Particulates > 10 µm do not typically reach the lungs, but can irritate the eyes, nose, and throat. Although PM_{10} is respirable, $PM_{2.5}$ is inhaled deeper into lung tissue due to their small size (approximately 1/30th the average width of human hair[h]), and thus presents a greater health hazard than larger particulates. PM between 0.1 µm and 1 µm can remain in the atmosphere for days or weeks, meaning there is a potential for long range dispersion from the source.

Smoke and particulate exposure will typically have the largest effect on the respiratory system. Irritation and coughing are common acute symptoms of exposure to particulates. Individuals subject to particulate exposure may first notice irritation of the throat, eyes, and nose. This may be followed by coughing, chest pain, and shortness of breath if exposure continues.

- Acute effects of particulate exposure include irritation of the respiratory system, coughing, and breathing difficulties.
- Chronic effects of particulate exposure include reduced lung function, asthma, lung cancer, chronic bronchitis, cardiovascular disease, premature death, and may cause birth defects[e].

These symptoms can be magnified for sensitive individuals, which can include groups or individuals with pre-existing conditions (e.g.: asthma, heart disease, lung disease), children, the elderly, and pregnant women. Sensitive individuals can experience aggravation of respiratory and cardiovascular systems at lower levels which may not affect non-sensitive individuals[e].

PM can also transport other pollutants which creates additional health concerns. Special consideration and precautions should be made if other pollutants are expected. ATSDR can provide assistance with generating public health statements, factsheets and possible development of a medical monitoring plan.

Reporting

Generate air monitoring summary reports to present data to the Incident Management Team (IMT) during Command, Planning, and Tactical meetings/briefings. Air monitoring summary reports typically group instruments by location and summarize each analyte result with number of readings, number of detections, concentration range, and a time-time weighted average over the period of the report. For particulates, specifically, the air monitoring report typically classifies the reporting period based on the AQI as seen in Table 1 and Table 2.

Develop the reporting schedule around the operational periods established by the IMT, and include sufficient time to review air monitoring summary reports prior to meetings/briefings since they often become the data backing up health-based decisions (e.g. whether to modify/implement evacuation zones or how to advise schools on openings/delayed starts).

References

a. EPA ERTG – *Air Monitoring Guidance Tables* http://www.epaosc.org/sites/0001/files/US%20EPA%20Air%20Tables%20Edition3_FINAL%202.pdf
b. California Air Resource Board. *Wildfire Smoke, A Guide for Public Health Officials*. July 2008. http://www.arb.ca.gov/carpa/toolkit/data-to-mes/wildfire-smoke-guide.pdf
c. Naeher, L.P., Brauer, M., Lipsett, M., Zelikoff, J.T., Simpson, C.D., Koenig, J.Q. and Smith, K.R. 2007. *Woodsmoke Health Effects: A Review*. Inhalation Toxicology. 19: 67–106.
d. US Department of Energy. *Protective Action Criteria http://www.atlintl.com/doe/teels/teel.html*
e. EPA Air Now. *Air Quality Index – A Guide to Air Quality and Your Health.* http://www.airnow.gov/index.cfm?action=aqibasics.aqi
f. USDA Forest Service – Technology Development Program. *Smoke Particulate Monitors: 2006 Update.* December 2006. https://www3.epa.gov/ttnamti1/files/ambient/smoke/ebamrpt.pdf
g. Auburn University. *Smoke Dispersion http://www.auburn.edu/academic/forestry_wildlife/fire/smoke_guide/smoke_dispersion.htm*
h. US Environmental Protection Agency. Fine particle ($PM_{2.5}$) Designations, Frequent Questions. http://www.epa.gov/pmdesignations/faq.htm

UNITED STATES ENVIRONMENTAL P
REGION 4
SAM NUNN ATLANTA FEDERAL
61 FORSYTH STREET, S.
ATLANTA, GEORGIA 303

ACCESS AUTHORIZATION

(b)(6) Personal Privacy

1. I, [redacted]
Jasper County TMS #080-00-0
powerline on Schinger Ave,

and, as such, I have the authority to sign this Access Authorizati

2. I grant authorization to the United States Environmental Protecti

employees, contractors and other authorized representatives to en
080-00-03-002

Site). This authorization allows EPA, its officers, employees, con

representatives to have access to the Site to conduct a removal sit

the Site will include, but not be limited to, the following:

h. other actions related to the investigation of surface or subsurfac

i. removal activities as determined by the OSC to abate releases o environment;

3. The consent for access and use granted herein will commence on and will continue until EPA completes the removal site evaluation.

4. I have been notified that these actions by EPA are undertaken purs under Section 104(a) of the Comprehensive Environmental Respor Liability Act (CERCLA or Superfund), 42 U.S.C. Section 9604(a).

5. I have been notified that parties found responsible pursuant to Sect U.S.C.§ 9607(a), may be liable for all costs EPA incurs in connect are not inconsistent with the National Contingency Plan (NCP), at

6. Please return this signed and dated Access Authorization to:

MATTHEW HUNSER

Federal On-Scene Coordinator
Emergency Response and Removal Branch
Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

___ I grant access to my properties _____ I do not grant

(b)(6) Personal Privacy

UNITED STATES ENVIRONMENTAL PR
REGION 4
SAM NUNN ATLANTA FEDERAL C
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

ACCESS AUTHORIZATION

(b)(6) Personal Privacy [redacted]

1. I, [redacted]
Earlbee LLC; TMS # 080-00-
472 Schinger Ave, Ridgeland, SC

and, as such, I have the authority to sign this Access Authorizatio

2. I grant authorization to the United States Environmental Protectio

employees, contractors and other authorized representatives to ent
080-00-03-006

Site). This authorization allows EPA, its officers, employees, cont

representatives to have access to the Site to conduct a removal sit

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6. Please return this signed and dated Access Authorization to:

MATTHEW HUPER

Federal On-Scene Coordinator
Emergency Response and Removal Branch
Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

7. I
a

_____ I grant access to my properties _____ I do not grant

(b)(6) Personal Privacy

[redacted]

2-11

UNITED STATES ENVIRONMENTAL P

REGION 4
SAM NUNN ATLANTA FEDERAL
61 FORSYTH STREET, S.W
ATLANTA, GEORGIA 3030

ACCESS AUTHORIZATION

(b)(6) Personal Privacy

1. I, [redacted]

Earlbee LLC; TMS #080-00
4762 Schinger Ave, Ridgeway

and, as such, I have the authority to sign this Access Authorizati

2. I grant authorization to the United States Environmental Protect

employees, contractors and other authorized representatives to e

080-00-03-007

Site). This authorization allows EPA, its officers, employees, co

representatives to have access to the Site to conduct a removal s

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are not inconsistent with the National Contingency Plan (NCP), at

6. Please return this signed and dated Access Authorization to:

MATTHEW HUFSER
Federal On-Scene Coordinator
Emergency Response and Removal Branch
Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

7.
8.
9.

_____ I grant access to my properties _____ I do not grant

(b)(6) Personal Privacy
[redacted]

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

ACCESS AUTHORIZATION

1. I, (b)(6) Personal Privacy [redacted], am the owner of Jasper County TMS #080-00-03-002, which is located at Powerline on Schinger Ave, Ridgeland, SC 29936 and, as such, I have the authority to sign this Access Authorization.

2. I grant authorization to the United States Environmental Protection Agency (EPA), its officers, employees, contractors and other authorized representatives to enter the property located at 080-00-03-002 (the Site). This authorization allows EPA, its officers, employees, contractors and other authorized representatives to have access to the Site to conduct a removal site evaluation. EPA's activities at the Site will include, but not be limited to, the following:

   a. The collection of surface, subsurface soil, sediment, air and waste samples as may be determined to be necessary;

   b. the sampling of all drums and tanks on-site to characterize wastes;

   c. the drilling of holes and installation of monitoring wells for subsurface investigation;

   d. inspecting, sketching, photographing, and/or videotaping the premises;

   e. inspect and copy all documents related to the operations at the Site;

   f. transporting equipment onto and about the Site, as necessary to accomplish the activities listed above;

   g. temporary storage of equipment on and throughout the Site, as necessary, to accomplish the activities listed above;

h. other actions related to the investigation of surface or subsurface contamination; and

i. removal activities as determined by the OSC to abate releases or threats of releases to the environment;

3. The consent for access and use granted herein will commence on August 16, 2019 and will continue until EPA completes the removal site evaluation.

4. I have been notified that these actions by EPA are undertaken pursuant to its response authority under Section 104(a) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or Superfund), 42 U.S.C. Section 9604(a).

5. I have been notified that parties found responsible pursuant to Section 107(a) of CERCLA, 42 U.S.C.§ 9607(a), may be liable for all costs EPA incurs in connection with the response which are not inconsistent with the National Contingency Plan (NCP), at 40 CFR Part 300.

6. Please return this signed and dated Access Authorization to:

MATTHEW HUFFER
Federal On-Scene Coordinator
Emergency Response and Removal Branch
Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

7. I have unrestricted access as well.

AH I grant access to my properties

_____ I do not grant access to my properties

(b)(6) Personal Privacy [redacted]

(Signature)

8-16-19
(Date)

(b)(6) Personal Privacy [redacted]

(Printed Name)

8-16-19
(Date)

(b)(6) Personal Privacy [redacted]

(Contact Number)

(Title, if signing as authorized representative of owner)

(Date)

Company Name

(Date)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

ACCESS AUTHORIZATION

1. I, (b)(6) Personal Privacy [redacted], am the owner of Earlbee LLC; TMS # 080-00-03-006, which is located at 472 Schinger Ave, Ridgeland, SC 29936, and, as such, I have the authority to sign this Access Authorization.

2. I grant authorization to the United States Environmental Protection Agency (EPA), its officers, employees, contractors and other authorized representatives to enter the property located at 080-00-03-006 (the Site). This authorization allows EPA, its officers, employees, contractors and other authorized representatives to have access to the Site to conduct a removal site evaluation. EPA's activities at the Site will include, but not be limited to, the following:

   a. The collection of surface, subsurface soil, sediment, air and waste samples as may be determined to be necessary;

   b. the sampling of all drums and tanks on-site to characterize wastes;

   c. the drilling of holes and installation of monitoring wells for subsurface investigation;

   d. inspecting, sketching, photographing, and/or videotaping the premises;

   e. inspect and copy all documents related to the operations at the Site;

   f. transporting equipment onto and about the Site, as necessary to accomplish the activities listed above;

   g. temporary storage of equipment on and throughout the Site, as necessary, to accomplish the activities listed above;

h. other actions related to the investigation of surface or subsurface contamination; and

i. removal activities as determined by the OSC to abate releases or threats of releases to the environment;

3. The consent for access and use granted herein will commence on 8-16-19 and will continue until EPA completes the removal site evaluation.

4. I have been notified that these actions by EPA are undertaken pursuant to its response authority under Section 104(a) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or Superfund), 42 U.S.C. Section 9604(a).

5. I have been notified that parties found responsible pursuant to Section 107(a) of CERCLA, 42 U.S.C.§ 9607(a), may be liable for all costs EPA incurs in connection with the response which are not inconsistent with the National Contingency Plan (NCP), at 40 CFR Part 300.

6. Please return this signed and dated Access Authorization to:

MATTHEW HUBER
Federal On-Scene Coordinator
Emergency Response and Removal Branch
Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

7. I have unrestricted access as well.

_____ I grant access to my properties

_____ I do not grant access to my properties

(b)(6) Personal Privacy [redacted]

(b)(6) Personal Privacy [redacted]

(b)(6) Personal Privacy [redacted]

(Contact Number)

8-16-19
(Date)

8-16-19
(Date)

(Title, if signing as authorized representative of owner)

(Date)

Company Name

(Date)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

ACCESS AUTHORIZATION

1. I, (b)(6) Personal Privacy [redacted], am the owner of Earlbee LLC; TMS #080-00-03-007 which is located at 472 Schinger Ave, Ridgewood, SC 29936, and, as such, I have the authority to sign this Access Authorization.

2. I grant authorization to the United States Environmental Protection Agency (EPA), its officers, employees, contractors and other authorized representatives to enter the property located at 080-00-03-007 (the Site). This authorization allows EPA, its officers, employees, contractors and other authorized representatives to have access to the Site to conduct a removal site evaluation. EPA's activities at the Site will include, but not be limited to, the following:

   a. The collection of surface, subsurface soil, sediment, air and waste samples as may be determined to be necessary;

   b. the sampling of all drums and tanks on-site to characterize wastes;

   ~~c. the drilling of holes and installation of monitoring wells for subsurface investigation;~~

   d. inspecting, sketching, photographing, and/or videotaping the premises;

   e. inspect and copy all documents related to the operations at the Site;

   f. transporting equipment onto and about the Site, as necessary to accomplish the activities listed above;

   g. temporary storage of equipment on and throughout the Site, as necessary, to accomplish the activities listed above;

h. other actions related to the investigation of surface or subsurface contamination; and

i. removal activities as determined by the OSC to abate releases or threats of releases to the environment;

3. The consent for access and use granted herein will commence on 8-16-19 and will continue until EPA completes the removal site evaluation.

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6. Please return this signed and dated Access Authorization to:

MATTHEW HUYSER
Federal On-Scene Coordinator
Emergency Response and Removal Branch
Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, GA 30303

7. No truck access.
8. I have unrestricted access as well.
9. Fire ~~fighting~~ trucks only!

_____ I grant access to my properties _____ I do not grant access to my properties

(b)(6) Personal Privacy [redacted]
(Signature)

8-16-19
(Date)

(b)(6) Personal Privacy [redacted]
(Printed Name)

8-16-19
(Date)

(b)(6) Personal Privacy [redacted]
(Contact Number)

(Title, if signing as authorized representative of owner)

(Date)

Company Name

(Date)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

ACTION MEMORANDUM

SUBJECT: Documentation of Verbal Ceiling Increase and Request for Additional Ceiling Increase and $2 Million Exemption for the Able Contracting Fire Site, 472 Schinger Avenue, Ridgeland, Jasper County, South Carolina

FROM: Matthew Huyser, On-Scene Coordinator
Emergency Response, Removal, Prevention and Preparedness Branch

THRU: James W. Webster, Chief
Emergency Response and Removal Branch 4/20/19

TO: Franklin Hill, Director
Superfund Division

I. PURPOSE

The purpose of this Action Memorandum is to document the verbal approval of a $1,000,000 increase in the extramural budget ceiling for the Able Construction Fire Site (Site) by the Director of the Superfund and Emergency Management Division on August 13, 2019 and to request an additional ceiling increase in the amount of $3,000,000 and an exemption from the $2,000,000 statutory limit on removal actions. An emergency removal action was initiated at the Site under the OSC's delegated warrant authority on August 9, 2019. Based on current Site conditions and future removal actions, additional funding will be needed to perform this clean up. The total project ceiling for this time-critical removal action will be **$4,250,000** which will be funded through the Regional Removal Allowance, contingent upon the availability of extramural funds.

II. SITE CONDITIONS AND BACKGROUND

CERCLIS ID: SCN000407717
Site ID #: C4A9
Removal Category: Time-Critical Removal

A. Site Description

Able Contracting (the Site) is a construction and demolition debris recycling facility located at 472 Schinger Ave in Ridgeland, Jasper County, South Carolina. The geographical coordinates are 32.323710, -80.941933. The facility reportedly receives construction and demolition debris from residential properties. The Site is estimated at 8.25 acres in size and contains approximately four acres of stockpiled material that has been accumulated over time. The pile is

approximately 35 feet high. There are various other buildings onsite including a maintenance shop and office building. The Site is in a mixed-use area consisting of commercial and residential properties to the south and east of the site.

The stockpiled material has ignited multiple times over the past several years. The current fire began in early June 2019. Since then, local responders, as well as personnel from Able Contracting, have been attempting to extinguish the fire. Firefighting activities by the property owner ceased on July 23, when the large water supply pump was damaged by a lightning strike. Smoke from the smoldering fire continued to increase over the next several days. The intensity of the fire has varied greatly during the past several weeks, impacting residents and businesses. Jasper County evacuated residents closest to the fire and is providing alternative housing arrangements.

The U.S. Environmental Protection Agency was requested by South Carolina Department Health and Environmental Conservation (SCDHEC) to conduct air monitoring and sampling to determine if any hazardous substances were being discharged from the smoldering fire. The EPA and Superfund Technical Assessment and Response Team (START) contractors deployed to the Site on July 25

During the Site Inspection, the winds were predominately out of the north and east. The landfill was burning in multiple locations along the entire pile. The smoke plume was directed away from the residential properties, but commercial businesses were impacted. There was a noticeable odor and smoke present throughout the day and night in the areas adjacent to the Site. Air quality on the Site and at the adjacent properties degraded as the response progressed into the nighttime hours. In the evening, an atmospheric inversion occurred, pushing the smoke plume closer to the ground.

The EPA deployed multiple air monitoring stations at the source and in the surrounding community. These air monitoring stations consisted of particulate monitors and 5-gas meters. On July 27 and 28, ambient air sampling was conducted, as close to the smoke plume as feasible and downwind at the closest residential property. Additional, air sampling was conducted again on August 2 and 3 to confirm the presence of hazardous substances measured in the previous round of sampling.

Surface water samples of firefighting runoff water were collected from the drainage ditch surrounding the Site containing as well as the small offsite pond to the north. It was reported that firefighting water was draining to an offsite pond while the property owner was attempting to extinguish the fire early in July.

On August 8, the EPA remobilized to the Site with START personnel, and air monitoring equipment. SCDHEC requested additional air monitoring assistance and fire fighting resources. The local authorities and the property owner were no longer capable of continuing with fire suppression activities. The EPA continued to observe heavy smoke near the Site and particulate air monitors results were above unhealthy and moderate health quality indexes. Phosgene, Acrolein and Hydrogen Cyanide have also been detected in smoke plume.

B. Other Actions to Date

1. Previous Actions

SCDHEC provided air monitoring on-site and within the community and hired a firefighting contractor for fire suppression actions within the landfill. Jasper County also has provided firefighting resources and paid for relocation of evacuated residents. The responsible party

firefighting resources and paid for relocation of evacuated residents. The responsible party conducted firefighting operations, but on July 23, their large water supply pump used by the facility for firefighting was damaged by lightning.

2. Current Actions

The EPA took over fire suppression activities from SCDHEC and resident relocation expenses from Jasper County on August 16, 2019.

C. **State and Local Authorities' Role**

As indicated previously, SCDHEC and Jasper County has provided resources to this emergency, Jasper County issued a Declaration of Emergency and SCDHEC has issued an order to the responsible party. SCDHEC, Jasper County, and the responsible party do not have the resources to continue with the fire suppression activities.

III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES

A. Threats to Public Health or Welfare

Section 300.415 (b)(2)(i) ***Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances pollutants or contaminants;*** Smoke from a smoldering stockpile of construction debris is impacting adjacent businesses and residents. EPA air samples have measured acrolein in the smoke above the EPA Removal Management Level (RML) of 0.063 ug/m3. Phosgene and hydrogen cyanide have also been detected at elevated levels.

Detections of hydrogen cyanide (HCN) were reported near the northeast corner of the landfill stack. Detections of HCN were confirmed with handheld monitors by contractors for DHEC with a peak readings of 3.0 ppm and lower readings of approximately 1 ppm downrange. EPA air monitors in the area reported detections of HCN at 0.9 ppm. Even though particulate matter is not a hazardous substance, at high levels it may produce adverse health effects. During some hours of the day, particulate matter in air exceeded the unhealthy air quality index category

Section 300.415 (b)(2)(v) ***Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released***; Heavy winds and night time inversion events will continue to disperse smoke through the surrounding community. There is evidence of acrolein, HCN, phosgene and particulate matter in the plume smoke above EPA's RMLs.

Section 300.415 (b)(2)(vii) ***The availability of other appropriate federal or state response mechanisms to respond to the release***; There are no other federal or state agencies available to respond. The State of South Carolina hired an environmental contractor to extinguish the fire but ran out of funding resources and requested EPA's assistance.

IV. ENDANGERMENT DETERMINATION

Actual or threatened releases of hazardous substances from this Site, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, welfare or the environment.

V. EXEMPTION FROM STATUTORY LIMITS

The landfill contains significant volumes of construction and debris material that is smoldering or catching on fire. There is evidence of acrolein above EPA's RMLs, HCN, and particulate matter in the plume smoke. Further delay in completion of the Removal activities will increase the risk of exposure to residents.

A. Emergency Exemption

1. There is an immediate risk to public health or welfare or the environment. The Site is surrounded by businesses and residences and being affected by the smoke plume. The Site has produced acrolein, HCN, phosgene and particulate matter at levels above health-based standards.

2. Continued response actions are immediately required to prevent, limit, or mitigate an emergency. The Site has not been stabilized and the plume smoke will keep impacting the surrounding community.

3. Neither the State nor the county have the ability and resources to conduct the response. There are no responsible parties available to conduct the removal action. The owner has expressed that he does not have monetary resources to extinguish and remove the material. Assistance will not otherwise be provided on a timely basis.

VI. PROPOSED ACTIONS AND ESTIMATED COSTS

A. Proposed Actions

1. Proposed Action Description

- Prepare and implement a Health and Safety Plan;
- Continue fire mitigation operations and debris stockpiles management in order to reduce risk of reignition;
- Continue to mitigate offsite impacts due to firefighting operations to the extent practicable;
- Continue to provide relocation to affected residents until ambient air conditions allow for reoccupancy;
- Maintain air quality monitoring;
- Continue to execute outreach plan to notify community of response activities and air quality conditions.

2. Contribution to Remedial Performance

The proposed removal action is warranted to address the threats discussed in Section III, which meet the 40 CFR § 300.415 (b) (2) removal criteria. The removal action contemplated in this Action Memorandum would be consistent with any remedial action.

3. Engineering Evaluation/Cost Analysis (EE/CA)

This proposed action is time-critical and does not require an EE/CA.

4. Applicable or Relevant and Appropriate Requirements (ARARs)

In accordance with the NCP at 40 CFR § 300.415(j), on-site removal actions conducted under CERCLA are required to attain ARARs to the extent practicable considering the exigencies of the situation or provide grounds for invoking a CERCLA waiver under Section 121(d)(4). In determining whether compliance with ARARs is practicable, the lead agency may consider appropriate factors including: (1) the urgency of the situation; and (2) scope of the removal action to be conducted. Additionally, under 40 CFR § 300.405(g)(3), other advisories, criteria or guidance may also be considered (so-called To-Be-Considered or TBC) when conducting the removal action. The site-specific ARARs and TBC for this time-critical removal action, which the EPA deems compliance practicable, are described below.

ARARs include only federal and state environmental or facility siting laws/regulations and do not include occupational safety or worker protection requirements. Compliance with OSHA standards is required by 40 CFR § 300.150. ARARs are typically divided into three categories: (1) chemical-specific; (2) location-specific; and (3) action-specific.

Under CERCLA Section 121(e)(l), federal, state or local permits are not required for the portion of any removal or remedial action conducted entirely on-site as defined in 40 CFR § 300.5. See also 40 CFR § 300.400(e)(l) & (2). On-site means the areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of the response action. On-site response actions must comply, to the extent practicable, with substantive but not administrative requirements of ARARs. Off-site activities such as transportation and disposal of wastes are required to comply with all applicable requirements, including the administrative portions.

As provided in CERCLA Section 121(d)(3) and the Off-site Rule at 40 CFR § 300.440 et seq. the off-site transfer of any hazardous substance, pollutant or contaminant generated during the response action will be sent to a treatment, storage or disposal facility that is in compliance with applicable federal and state laws and has been approved by the EPA for acceptance of CERCLA waste.

5. Project Schedule

Response actions have already initiated at the Site. All actions are expected to be complete within 12 months of initial mobilization.

B. Estimated Costs

Extramural Costs:	Proposed Ceiling:
Regional Allowance Costs:	
ERRS	$ 3,850,000
Other Extramural Costs Not Funded from the Regional Allowance:	
START	$ 350,000
USCG	$ 50,000
TOTAL REMOVAL ACTION PROJECT CEILING:	**$ 4,250,000**

VII. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

If this response action is significantly delayed or not taken, residents near the Site may be at increased risk through prolonged exposure to airborne contaminants.

VIII. OUTSTANDING POLICY ISSUES

There are no outstanding policy issues related to the proposed Removal Actions at this Site.

IX. ENFORCEMENT

The EPA has identified Able Contracting as the potentially responsible party (PRP). The EPA has noticed the owner and operator of Able Contracting. The enforcement process will continue parallel to the emergency removal action.

X. RECOMMENDATION

This decision document represents the selected removal action for the Stone Treated Materials Site in Picayune, Pearl River County, Mississippi developed in accordance with CERCLA, as amended, and not inconsistent with the NCP. The document is based on the Administrative Record for the Site. Conditions at the Site meet the criteria for the CERCLA Section 104(c) emergency exemption from the 12-month time limit to allow a continued removal response. This removal action is anticipated to be fund lead, with a total project ceiling, if approved, of $4,250,000 of which will be funded by the Regional Removal Allowance, contingent upon the availability of funds. I recommend your approval of the proposed removal action.

APPROVED: _____ DATE: 8/24/19
Franklin E. Hill, Director
Superfund and Emergency Management Division

DISAPPROVED: _____ DATE: _____
Franklin E. Hill, Director
Superfund and Emergency Management Division

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

$250,000 EMERGENCY ACTION MEMORANDUM

DATE: August 16, 2019

SUBJECT: Able Contracting Fire Site
Ridgeland, Jasper County, South Carolina

FROM: Matthew J. Huyser, On-Scene Coordinator
Emergency Response, Removal, Prevention, and Preparedness Branch

THRU: James W. Webster, Ph.D., Chief
Emergency Response, Removal, Prevention, and Preparedness Branch
9/16/2019

TO: Regional Emergency Operations Center, 4SEMD-ERRPPB
South Carolina Department of Health and Environmental Control
Site File

I. PURPOSE

The purpose of this memorandum is to document the decision to initiate the emergency response actions described herein for the Able Contracting Fire Site (the Site) located in Ridgeland, Jasper County, South Carolina, pursuant to the On-Scene Coordinator's (OSC) delegated authority under Section 104 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

II. SITE INFORMATION

A. Site Description

Site Name:	Able Contracting Fire Site
Superfund Site ID:	C4A9
NRC Case No.:	1253131
CERCLIS ID:	SCN000407717
Site Location:	Ridgeland, Jasper County, South Carolina
Lat/Long:	32.3237100 / -80.9419330
NPL Status:	Not on the NPL
Start Date:	August 16, 2019

B. Background

1. Removal Site Evaluation

Able Contracting (the Site) is a construction and demolition debris recycling facility located at 472 Schinger Avenue in Ridgeland, Jasper County, South Carolina. The Site contains approximately four acres of stockpiled material that has reportedly ignited multiple times over the past several years. The current fire began in early June 2019. Since then, local responders, as

well as personnel from Able Contracting, attempted to extinguish the fire until a lightning strike damaged a large water supply pump on July 23, 2019. Smoke from the smoldering fire continued to increase over the next several days after firefighting efforts ceased.

On July 25, 2019, the U.S. Environmental Protection Agency was requested by South Carolina Department of Health and Environmental Control (DHEC) to conduct air monitoring and sampling to determine if any hazardous substances were being discharged in the smoke of the smoldering fire. That evening, the EPA and Superfund Technical Assessment and Response Team (START) contractors arrived on-site and established three air monitoring locations each consisting of:

- AreaRAEpro monitor with sensors for oxygen, explosive gas, carbon monoxide, hydrogen sulfide and volatile organic compounds (VOC)

- DustTrak particulate monitor to measure particulate matter <10 microns (PM10), PM1, PM2.5 and total particulates

The monitors transmitted data wirelessly to an EPA database and ran continuously for approximately 84 hours.

On July 27 and 28, 2019, the EPA collected ambient air samples as close to the smoke plume as feasible as well as downwind at the closest residential property. Air sample collection continued for an eight-hour period and included both daytime and nighttime hours. Samples were also collected from background and upwind locations. The samples were sent to an analytical laboratory to measure for asbestos, formaldehyde, phosgene, VOCs, semi-volatile organic compounds (SVOC) and target analyte list (TAL) metals. Samples of the firefighting runoff water were collected in the drainage ditch adjacent to the Site. Surface water samples were also collected from an off-site pond north of the Site based on reports that firefighting runoff water was previously redirected to drain towards that pond. A groundwater sample was collected from the drinking water well at the facility. Water samples were sent to an analytical laboratory to measure for VOCs, SVOCs and metals.

On August 2, 2019, the EPA and START remobilized to the Site to conduct additional air sampling for confirmation of hazardous substances detected in the previous round of sampling. Three air monitoring locations were established to measure for phosgene gas. Air sampling was conducted in three locations: 1) as close to the smoke plume as feasible, 2) near the closest residential property, and 3) upwind. Air sampling was collected over a period of eight hours and included both daytime and nighttime hours. The samples were sent to an analytical laboratory to measure for phosgene and VOCs.

One chemical compound, acrolein, was found in air samples collected in smoke near the Site at a concentration above the EPA's Removal Management Level (RML). The RML serves as a guideline for EPA emergency response. Results of the EPA's sampling of the on-site well did not find any chemicals above drinking water Maximum Contaminant Levels (MCLs) established by the Safe Drinking Water Act. Results from water sampling conducted in the ditch as well as in the nearby pond found elevated concentrations of metals and semi-volatile organic compounds when compared with DHEC and EPA ecological guidance levels for surface water. There is no

known human exposure pathway to the ditch or pond water. Impacts to surface water will be investigated further during the course of the response.

During the initial air sampling activities, the winds were predominately out of the north and east. The smoke plume drifted away from the residential properties, but commercial businesses were impacted. There were noticeable odors and smoke present in the areas adjacent to the Site throughout the day and night. Air quality at the Site and at the adjacent properties degraded as the response progressed into the nighttime hours. In the evening, an atmospheric inversion caused smoke accumulation near the ground. The fire generated smoke throughout the duration of the sampling event. Visible flames were documented at several locations on the stockpile.

2. Physical Location and Site Characteristics

The Site is a construction and demolition debris recycling facility located at geographical coordinates 32.323710 degress north, 80.941933 degrees west. The 8.25-acre facility reportedly received residential construction and demolition debris from and contained approximately four acres of stockpiled material. There are various other buildings on-site including a maintenance shop and office building.

The Site is bordered on the north by an unfinished commercial development. The retention pond of this development was reportedly used for firefighting water by Able Contracting, Inc. To the northeast are several light industrial and commercial businesses. Two large apartment communities are located less than a half-mile to the northwest. Residential units lie to the east. Less than one mile to the east is an elementary school. To the south are light industrial and commercial buildings. A half-mile to the south is a large retirement community consisting of thousands of homes. Within a half-mile to the south and east are several dozen commercial facilities. To the west are several acres of wooded land encompassing two remote homes.

3. Release or Threatened Release into the Environment of a Hazardous Substance or Pollutant or Contaminant

Acrolein was found to have been released at the Site at concentrations of up to 2.56 µg/m3 which exceeds the EPA's RML of 0.063 µg/m3 for acrolein in residential air. During the aggressive firefighting response effort led by DHEC, hydrogen cyanide (HCN) was detected in the air using air monitoring equipment on and near the burning stockpile.

III. THREATS TO PUBLIC HEALTH, WELFARE OR THE ENVIRONMENT

A. Nature of Actual or Threatened Release of Hazard Substances, Pollutants or Contaminants

Title 40 of the Code of Federal Regulations, Part 302.4 lists acrolein and HCN as hazardous substances as designated by Section 102(a) of CERCLA.

B. Applicable factors which were considered in determining the appropriateness of a removal action:

Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances or pollutants or contaminants [300.415(b)(2)(i)]

Smoke from a smoldering stockpile of construction debris is impacting adjacent businesses and residents. Air samples collected by the EPA have measured acrolein in the smoke above the EPA's RML of 0.063 µg/m3 for acrolein in residential air. HCN has also been detected at elevated levels.

Detections of HCN were reported near the northeast corner of the landfill stack. Detections of HCN were confirmed with handheld monitors by contractors for DHEC with peak readings of 3.0 parts per million (ppm) and lower readings of approximately 1 ppm downrange. The EPA's air monitors in the area reported detections of HCN at 0.9 ppm.

Even though the particulate matter is not a hazardous substance, at high levels, it may produce adverse health effects. During some hours of the day, particulate matter in air exceeded the "unhealthy" Air Quality Index (AQI) category.

Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released [300.415(b)(2)(v)]

Heavy winds will continue to disperse smoke throughout the surrounding community. Nighttime temperature inversion events continue to hold the smoke close to the ground. There is evidence of acrolein in the smoke plume above the EPA's RML as well as HCN and particulate matter.

The availability of other appropriate federal or state response mechanisms to respond to the release [300.415(b)(2)(vii)]

There are no other federal or state agencies available to respond. The State of South Carolina hired an environmental contractor to extinguish the fire. On August 15, the State of South Carolina notified the EPA that the State had exhausted its resources and requested the EPA take over the response action.

IV. SELECTED REMOVAL ACTION AND ESTIMATED COST

A. Situation and Removal Activities to Date

1. Current Situation

From August 11 – August 16, 2019, contractors for DHEC conducted aggressive firefighting measures at the Site which included opening the stockpile using heavy equipment, water application, loading and hauling fire debris for disposal off-Site, and recovery of runoff water to the extent practicable. The EPA supported DHEC firefighting efforts with air monitoring.

2. Removal Activities to Date

a. Federal Government/Private Party

On August 8, 2019, the EPA remobilized to the Site with air monitoring equipment and resources.

On August 9, 2019, the EPA met with DHEC, Jasper County and Beaufort County officials to discuss planned actions for the DHEC-lead firefighting activities, EPA support activities and preparations for transitioning from locally supplied resources to state and federal resources. Through August 15, 2019, the EPA continued to support DHEC with 24-hour air monitoring and data reports as well as augmenting the community outreach. Information on environmental smoke and the Site was distributed to the community.

On August 16, 2019, the EPA assumed the lead for both the relocation of the residents and the firefighting response activities. An EPA Emergency and Rapid Response Services (ERRS) contractor was mobilized, and the U.S. Coast Guard's (USCG) Strike Team assumed Safety Officer responsibilities for the Site.

b. State/Local

On August 9, 2019, the EPA met with DHEC, Jasper County and Beaufort County officials to discuss planned actions for DHEC-lead firefighting activities. County officials had evacuated several residences and were providing them temporary housing. Local resources were projected to deplete during the following week.

On August 11, 2019, a DHEC contractor mobilized to the Site to begin application of water to hotspots on the stockpile.

On August 12, 2019, DHEC's contractors resumed application of water to smoldering areas. A tank was brought to the Site for firefighting water recovery from the adjacent ditch. Buried utilities at the Site were marked to prevent damage to infrastructure. The stockpile excavation was initiated, and charred material was uncovered at a depth of at least 20 feet.

On August 13, 2019, DHEC's contractors resumed excavation into the stockpile and began hauling extinguished material off-site for disposal. The landfill accepted the surface water and air sampling data for waste profile analysis and classified the material as "special waste." Water in the ditch adjacent to the Site was being pumped to a 20,000-gallon tank and was being recycled to the stockpile as firefighting water. A water curtain was installed over the stockpile's worst smoking area to reduce morning smoke conditions.

On August 14, 2019, DHEC's contractors continued aggressive firefighting and material disposal operations, focusing on stockpiles material in the southwest corner of the Site. The spraying continued on isolated smoke chimneys. Operations ceased by late in the afternoon due to lightning. A water curtain was applied overnight to accessible active smoke plumes.

On August 15, 2019, during firefighting activities, detections of HCN were reported near the northeast corner of the stockpile and DHEC contractors egressed from the Site in accordance with their site-specific health and safety plan.

3. Enforcement

The property is owned by Able Contracting, Inc. A Notice of Federal Interest was issued to Able Contracting on July 26, 2019. Access agreements for parcels including the property on which the stockpile is located as well as the adjoining parcels were signed on August 16, 2019. Able Contracting stated that it was financially unable to continue to respond to the release.

B. Planned Removal Actions

1. Proposed Action Description

Anticipated removal activities for the Site include, but are not limited to, the following:

- Prepare and implement a health and safety plan;
- Continue fire mitigation operations and debris stockpiles management in order to reduce the risk of reignition;
- Continue to mitigate off-site impacts due to firefighting operations to the extent practicable;
- Continue to provide relocation to affected residents until ambient air conditions allow for re-occupancy;
- Maintain air quality monitoring;
- Continue to execute outreach plan to notify the community of response activities and air quality conditions.

2. Contribution to Remedial Performance

The proposed actions will, to the extent practicable, contribute to the efficient performance of any long-term remedial action at the Site.

3. ARARs

Removal actions conducted under CERCLA are required to attain Applicable or Relevant and Appropriate Requirements (ARAR) to the extent practicable. In determining whether compliance with ARARs is practicable, the OSC may consider appropriate factors, including the urgency of the situation and the scope of the removal action to be conducted.

The Federal ARARs identified for the Site include:

- RCRA Land Disposal Restrictions
- RCRA Treatment, Storage and Disposal
- RCRA Transportation
- DOT
- OSHA

The State has not provided any ARARs.

5. Project Schedule

All actions are expected to be completed within 12 months of August 16, 2019.

C. Estimated Costs[1]

The budget has been structured as appears below. Changes in the structure may be made by the OSC at his/her discretion.

ERRS	100,000
START	140,000
USCG	10,000
TOTAL	**$250,000**

V. EXPECTED CHANGE IN THE SITUATION SHOULD ACTION BE DELAYED OR NOT TAKEN

A delay in action or no action at this Site would increase the actual or potential threats to the public and the environment.

VI. OUTSTANDING POLICY ISSUES

None.

VII. APPROVAL

This decision document represents the selected removal action for this Site, developed in accordance with CERCLA as amended, and not inconsistent with the National Contingency Plan. This decision is based on the Administrative Record for the Site.

Conditions at the Site meet the NCP section 300.415(b) criteria for a removal, and through this document, I am approving the proposed removal actions. The total project ceiling is $250,000, of which an estimated $100,000 may be funded from the Regional Removal Allowance.

Matthew Huyser
Federal On-Scene Coordinator

9/16/2019
Date

[1]EPA direct and indirect costs, although cost recoverable, do not count toward the removal ceiling for this removal action. Liable parties may be held financially responsible for costs incurred by the EPA as set forth in Section 107 of CERCLA.

Able Contracting Fire Response

The South Carolina Department of Health and Environmental Control (SC DHEC) and U.S. Environmental Protection Agency (US EPA) are responding to the ongoing fire at the nearby Able Contracting facility. Smoke from this fire may be present in your neighborhood and is likely to be visible during the early morning and evening hours. When smoke is present, stay indoors and limit outside activity. Maintain the air filter on your air conditioning unit and replace the air filter with a low-micron HEPA filter if possible.

For up-to-date information on this response, please visit:

SCDHEC.gov/Able-Contracting-Fire

El Departamento De Salud De Ambiental (SC DHEC) y la agencia de Ambietal (US EPA) estan respondiendo con incendios cercas the Able Construccion. El humo de los incendios se puede ver por las horas de la manana y por las tardes. Cuando el humo esta presente, quedese adentro y limited actividad por afuera. Mantega el filtro de su aire al corriente con microno bajo HEPA si es possible.

Para informaccion por favor visite

SCDHEC.gov/Able-Contracting-Fire

Community Air Quality Update - August 9, 2019

Ridgeland, South Carolina

South Carolina Department of Health and Environmental Control • www.scdhec.gov

Air Quality in the area has gotten worse over the past week during the calm late night and early morning. Even on days with higher average concentrations, particulate concentrations are low and in the 'GOOD' Air Quality Index category during the day and early evening.
DHEC's air Quality sensor data can be accessed at http://tinyurl.com/MOIX17468
to view the latest 15-minute average concentrations of Particulate Matter (PM) 2.5 microns in diameter - the size of particles found in smoke. The short 15 minute readings may be much higher that the average for the full day.

Date		Business		Community	
		24 Hour Average concentration ($\mu g/M^3$)	***Air Quality Index Category***	**24 Hour Average concentration ($\mu g/M^3$)**	***Air Quality Index Category***
Mon	22-July	4			
Tues	23-July	4			
Wed	24-July	36	*Unhealthy for Sensitive Groups*		
Thur	25-July	64			
Fri	26-July	25	*Moderate*		
Sat	27-July	47	*Unhealthy for Sensitive Groups*		
Sun	28-July	20	*Moderate*		
Mon	29-July	66			
Tues	30-July	40	*Unhealthy for Sensitive Groups*	Monitor Installed	
Wed	31-July	66		85	
Thur	1-Aug	31	*Moderate*	41	*Unhealthy for Sensitive Groups*
Fri	2-Aug	29	*Moderate*	17	*Moderate*
Sat	3-Aug	7		8	
Sun	4-Aug	16	*Moderate*	16	*Moderate*
Mon	5-Aug	15	*Moderate*	44	*Unhealthy for Sensitive Groups*
Tues	6-Aug	10		46	*Unhealthy for Sensitive Groups*
Wed	7-Aug	6		55	*Unhealthy for Sensitive Groups*
Thur	8-Aug	14	*Moderate*	82	

Printed 8/9/19

More information on the other side

Air Quality Category	Who Needs to be Concerned?	What Should I Do?
Moderate 12-35	Some people who may be unusually sensitive to particle pollution.	**Unusually sensitive people:** *Consider reducing* prolonged or heavy exertion. Watch for symptoms such as coughing or shortness of breath. These are signs to take it easier. **Everyone else:** It's a good day to be active outside.
Unhealthy for Sensitive Groups 36-55	Sensitive groups include **people with heart or lung disease, older adults, children and teenagers.**	**Sensitive groups:** *Reduce* prolonged or heavy exertion. It's OK to be active outside, but take more breaks and do less intense activities. Watch for symptoms such as coughing or shortness of breath. **People with asthma** should follow their asthma action plans and keep quick relief medicine handy. **If you have heart disease:** Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, contact your heath care provider.
Unhealthy 56-150	**Everyone**	**Sensitive groups:** *Avoid* prolonged or heavy exertion. Move activities indoors or reschedule to a time when the air quality is better. **Everyone else:** *Reduce* prolonged or heavy exertion. Take more breaks during all outdoor activities.
Very Unhealthy 151-250	**Everyone**	**Sensitive groups:** *Avoid all* physical activity outdoors. Move activities indoors or reschedule to a time when air quality is better. **Everyone else:** *Avoid* prolonged or heavy exertion. Consider moving activities indoors or rescheduling to a time when air quality is better.
Hazardous 251-500	**Everyone**	**Everyone**: *Avoid all* physical activity outdoors. **Sensitive groups:** Remain indoors and keep activity levels low. Follow tips for keeping particle levels low indoors.

THE STATE OF SOUTH CAROLINA
BEFORE THE DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

IN RE: CHANDLER LLOYD; ABLE CONTRACTING, INC.; EARLBEE, LLC

JASPER COUNTY

NOTICE AND EMERGENCY ORDER

Chandler Lloyd, Able Contracting, Inc., and EARLBEE, LLC., (collectively, "Able") are responsible for a registered Construction and Demolition ("C&D") Processing Facility known as the Able Contracting Facility ("Able Facility") located at 472 Schinger Ave., Ridgeland, SC 29936 in Jasper County. A fire at the Able Facility has created an imminent and substantial danger to human health and the environment requiring the issuance of this Emergency Order.

TAKE NOTICE:

1. On or about June 3, 2019, the Department received complaints concerning outbreaks of flame and smoke at the Able Facility; and

2. The Able Facility is located in close proximity to numerous commercial and residential structures housing a number of residents and employees, including members of vulnerable populations such as pregnant women and children; and

3. Between June 3, 2019 and July 3, 2019, the Department conducted an investigation and received numerous complaints from nearby residents and employees of businesses located near the Able Facility regarding smoke and odors, and observed that the Able Facility was actively pumping water onto the material pile; and

4. On July 3, 2019, the Department issued a letter requiring Able to cease accepting new material, and requiring a plan be submitted to the Department detailing efforts to extinguish the fire and procedures to ensure fire is extinguished both internally and externally ("Cease and Desist"); and

5. The Department deployed a portable air sensor near the Able Facility to detect fine particulate matter on July 3, 2019; and

6. Able filed a Request for Review of the Cease and Desist on July 8, 2019; which was denied by the South Carolina Board of Health and Environmental Control on July 30, 2019, and

7. A representative of Able informed the Department on July 24, 2019 that Able was unable to continue pumping water onto the material pile due to a lack of resources; and

8. On July 24th, 25th, 27th, and 29th, 2019, concentration data from air sensors indicated levels above EPA health-based standards for fine particulate matter (35 micrograms per cubic meter, for a 24- hour average); and

9. Since their installation, the Department air sensor has detected instantaneous levels as high as 565 micrograms per cubic meter; and

10. These elevated levels constitute an emergency requiring immediate action to protect the public health or property pursuant to S.C. Code Ann. Sections 48-1-290 and 44-1-140; and

11. Whereas, S.C. Code Ann. Section 48-1-290 provides that the Department may issue an order requiring immediate action be taken as the Department deems necessary to meet an emergency and protect public health; and

12. Whereas, S.C. Code Ann. Section 44-1-140 provides that the Department may make orders to meet any emergency not provided for by general rules and regulations, for purposes of suppressing nuisances dangerous to the public health.

NOW, THEREFORE, THE DEPARTMENT FINDS, that the continued operations and current conditions at the Able Facility, a solid waste facility located at 472 Schinger Road, Ridgeland, South Carolina, present an imminent and substantial danger to human health and the environment.

IT IS THEREFORE ORDERED that Able shall:

1. Upon the execution date of the Order, immediately cease all operations at the Able Facility not related to completely extinguishing the fire, including the acceptance of new material. Continued operation of the Able Facility, without express written consent of the Department, is considered a violation of this Order. Each day of continued violation will be considered a separate offense.

2. Monitor conditions at the Able Facility 24 hours per day until the fire is completely extinguished. If visibility is impaired on a public roadway or any open flame is visible, notify the County Fire Department.

3. Due to the imminent and substantial danger to human health and the environment from the smoke being produced by material on fire at the Able Facility, the Able Facility must secure the services of a contracting company with experience in extinguishing fires of this nature to develop a plan for smoke abatement and complete extinguishment of the fire at the Able Facility, and provide a copy of the plan to the Department within 48 hours of this Order.

4. Contract with the consulting company to implement the plan for smoke abatement and complete extinguishment of the fire. Due to the imminent nature of the health concerns associated with this event, the plan must be initiated within 72 hours of the Order, and fully-implemented as soon as reasonably possible.

5. Allow unrestricted access to Department personnel or contractors for oversight of these measures.

6. Submit a written certification to the Department when all work has been completed.

7. The Department's point of contact for all matters related to this Order will be:

   Marty Lindler
   2600 Bull Street
   Columbia, SC 29201
   803-898-0456
   lindlema@dhec.sc.gov

IT IS FURTHER ORDERED that the Department reserves the right to take further enforcement action for the above-observed conditions and any violations of this Emergency Order, or the Solid Waste Policy and Management Act and associated Regulations, including but not limited to the assessment of civil penalties.

IT IS FURTHER ORDERED that the execution date of this Order is the date this Order is signed by the Director of Environmental Affairs.

Failure to comply with this Order **MAY SUBJECT YOU TO PENALTIES OR CRIMINAL PROSECUTION** pursuant to S.C. Code Ann. Sections 44-1-150, 48-1-320, and 48-1-330. The Department reserves the right to take any actions necessary to address this emergency and seek cost recovery as authorized by applicable law.

AND IT IS SO ORDERED.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

By: Myra Reece

Myra Reece, Director of Environmental Affairs

DATE: 7/31/19 TIME: 5:12 pm

dhec Fact Sheet

South Carolina Department of Health and Environmental Control • www.scdhec.gov

Environmental Smoke

What is smoke?

Whether from a campfire, wildfire, or burning landfill or pile of debris, all smoke is made up of very small partially-burned particles and chemicals that form during burning. What makes up the particles and accompanying gases depends on the type of material that is burning. An efficient fire that burns clean, dry fuel and has plenty of air will have little visible smoke and fewer potentially harmful chemicals. A fire consuming damp, dirty fuel and that burns slowly due to a lack of air will create more particles and chemicals that come from incomplete combustion. Visible smoke is the most immediate sign of incomplete combustion.

It's never good to breathe smoke of any kind for extended periods of time. Most people should not have long-term health problems caused by breathing smoke for short periods of time, but chemical odors and particles in the air from fires may cause short-term nausea, headaches, and/or irritation to the throat and eyes. If symptoms are caused by smoke, they should improve when a person leaves the smoky area. Exposure to smoke may aggravate some pre-existing lung or heart-related health conditions.

How can I be exposed to smoke?

The heat from outdoor fires typically lifts smoke up into the air, but slower, smoldering fires in combination with some weather conditions can trap smoke close to the ground. You can be exposed to smoke from fires close by or from fires long distances away.

If smoke is visible, even if the source of the smoke is not, we recommend that you follow the precautions listed in this fact sheet.

Who is at greatest risk from smoke?

- ***Pregnant women and people who have existing health conditions*** like heart disease, lung disease, or asthma, are at higher risk of health effects from smoke.
- ***Older adults*** are more likely to be affected by smoke due to their increased risk of heart and lung diseases.
- ***Children*** are more likely to be affected by smoke. Children's airways are still developing and they breathe more air per pound of body weight than adults. That results in an increased dose or exposure. Children also often spend more time outdoors engaged in activity and play.

What should I do if smoke is in my area?

In the event of an uncontrolled fire or smoke event, the first and most important thing to do is to minimize your exposure.

- Report smoke to local authorities as the adage is usually true, "where there is smoke, there is fire."
- Go upwind from the source.

- Go inside, close windows and close exterior air intakes.
- Don't exercise in smoky conditions because you breathe in more air and that increases your exposure to smoke-related contaminants.

Keep in mind that sometimes weather conditions may bring smoke to the ground from a fire that is found a long way away.

How can I protect myself?

Avoid spending extended amounts of time in smoky conditions. Don't walk, run, do yard work or participate in outdoor activities on days when smoke is visible at ground level.

People who have trouble breathing, experience an increase in coughing episodes, or have tightness in their chest should seek medical attention from their doctor or health care provider. People with asthma, chronic obstructive pulmonary disease (COPD) or emphysema are more likely than others to have these symptoms and should, when possible, not stay in smoky environments for long periods of time.

Don't rely on "dust masks" for protection. Paper dust masks found at hardware stores are designed to trap large particles, like sawdust. These masks will ***not*** protect your lungs from the small particles found in smoke from an uncontrolled fire. **Don't use a respirator unless you speak with your doctor to ensure wearing one won't negatively affect your health**. If you use a respirator, choose a "particulate respirator" that has been tested and approved by the National Institute of Occupational Safety and Health (NIOSH). It will have the words "NIOSH" and either "N95" or "P100" printed on it.

Summary

When weather conditions bring the smoke from an uncontrolled fire (e.g. campfire, wildfire or other type of fire) into your area, it results in increased amounts of particulates and other chemicals in the air. This can be a nuisance even for healthy people, but it can also make some pre-existing health conditions, like asthma and some heart or lung conditions, worse. Our data monitoring has found that usually the particulate concentrations from smoke are highest in the early morning hours on days when the wind is coming from the direction of the fire and there is not enough wind to clear out smoke that has accumulated near the ground overnight. Choose to walk, jog, or be outside during times when smoke isn't visible at ground level. Should you have any personal health concerns, we recommend that you seek advice from your normal health care provider.

Information about the response to the fire at the Able Contracting facility can be found at:

scdhec.gov/able-contracting-fire

dhec Fact Sheet

South Carolina Department of Health and Environmental Control • www.scdhec.gov

Environmental Smoke

What is smoke?

Whether from a campfire, wildfire, or burning landfill or pile of debris, all smoke is made up of very small partially-burned particles and chemicals that form during burning. What makes up the particles and accompanying gases depends on the type of material that is burning. An efficient fire that burns clean, dry fuel and has plenty of air will have little visible smoke and fewer potentially harmful chemicals. A fire consuming damp, dirty fuel and that burns slowly due to a lack of air will create more particles and chemicals that come from incomplete combustion. Visible smoke is the most immediate sign of incomplete combustion.

It's never good to breathe smoke of any kind for extended periods of time. Most people should not have long-term health problems caused by breathing smoke for short periods of time, but chemical odors and particles in the air from fires may cause short-term nausea, headaches, and/or irritation to the throat and eyes. If symptoms are caused by smoke, they should improve when a person leaves the smoky area. Exposure to smoke may aggravate some pre-existing lung or heart-related health conditions.

How can I be exposed to smoke?

The heat from outdoor fires typically lifts smoke up into the air, but slower, smoldering fires in combination with some weather conditions can trap smoke close to the ground. You can be exposed to smoke from fires close by or from fires long distances away.

If smoke is visible, even if the source of the smoke is not, we recommend that you follow the precautions listed in this fact sheet.

Who is at greatest risk from smoke?

- ***Pregnant women and people who have existing health conditions*** like heart disease, lung disease, or asthma, are at higher risk of health effects from smoke.
- ***Older adults*** are more likely to be affected by smoke due to their increased risk of heart and lung diseases.
- ***Children*** are more likely to be affected by smoke. Children's airways are still developing and they breathe more air per pound of body weight than adults. That results in an increased dose or exposure. Children also often spend more time outdoors engaged in activity and play.

What should I do if smoke is in my area?

In the event of an uncontrolled fire or smoke event, the first and most important thing to do is to minimize your exposure.

- Report smoke to local authorities as the adage is usually true, "where there is smoke, there is fire."
- Go upwind from the source.

- Go inside, close windows and close exterior air intakes.
- Don't exercise in smoky conditions because you breathe in more air and that increases your exposure to smoke-related contaminants.

Keep in mind that sometimes weather conditions may bring smoke to the ground from a fire that is found a long way away.

How can I protect myself?

Avoid spending extended amounts of time in smoky conditions. Don't walk, run, do yard work or participate in outdoor activities on days when smoke is visible at ground level.

People who have trouble breathing, experience an increase in coughing episodes, or have tightness in their chest should seek medical attention from their doctor or health care provider. People with asthma, chronic obstructive pulmonary disease (COPD) or emphysema are more likely than others to have these symptoms and should, when possible, not stay in smoky environments for long periods of time.

Don't rely on "dust masks" for protection. Paper dust masks found at hardware stores are designed to trap large particles, like sawdust. These masks will ***not*** protect your lungs from the small particles found in smoke from an uncontrolled fire. **Don't use a respirator unless you speak with your doctor to ensure wearing one won't negatively affect your health**. If you use a respirator, choose a "particulate respirator" that has been tested and approved by the National Institute of Occupational Safety and Health (NIOSH). It will have the words "NIOSH" and either "N95" or "P100" printed on it.

Summary

When weather conditions bring the smoke from an uncontrolled fire (e.g. campfire, wildfire or other type of fire) into your area, it results in increased amounts of particulates and other chemicals in the air. This can be a nuisance even for healthy people, but it can also make some pre-existing health conditions, like asthma and some heart or lung conditions, worse. Our data monitoring has found that usually the particulate concentrations from smoke are highest in the early morning hours on days when the wind is coming from the direction of the fire and there is not enough wind to clear out smoke that has accumulated near the ground overnight. Choose to walk, jog, or be outside during times when smoke isn't visible at ground level. Should you have any personal health concerns, we recommend that you seek advice from your normal health care provider.

Healthy People

CERTIFIED MAIL 9214 8969 0099 07901415 7343 41

September 3, 2019

Able Contracting, Inc.
Attn: Chandler Lloyd
472 Schinger Avenue
Ridgeland, SC 29936

RE: Closure Letter
Able Contracting C&D Processing Facility
Jasper County

Dear Mr. Lloyd:

The South Carolina Solid Waste Policy and Management Act of 1991 (Act) S.C. Code Ann. § 44-96-360(D)(2) (Rev. 2018 and Supp. 2018) states that "a facility that recycles construction and demolition debris must submit a complete permit application to the department or complete closure in accordance with this section and regulations promulgated pursuant to this section within twelve months of the effective date of this subsection." The effective date to submit a completed permit application or complete closure was May 3, 2019. On August 5, 2019, Able Contracting, Inc., withdrew its previously submitted permit application (which was not complete at the time of submittal) for a Solid Waste Processing Facility located at 472 Schinger Avenue in Ridgeland, South Carolina. As a result of withdrawing the permit application to process construction and demolition debris, this letter serves as notification that you may no longer accept any construction and demolition debris or other related materials at this location and should immediately begin the closure process for this facility. The Department is requiring that you provide a plan to remove all remaining materials at this location and perform any additional closure activities necessary to ensure that no environmental contamination remains as a result of previous operations. This plan should be submitted to the Department no later than September 18, 2019. No extension to this deadline will be granted.

Further, the Department requires that all materials remaining at this location after completion of emergency actions currently being conducted by USEPA and the Department be removed, and closure activities completed in accordance with a schedule approved by the Department. Failure to comply with these directives will subject you to enforcement action by the Department.

Thank you for your prompt attention to this matter. If you have any questions, please contact Marty Lindler at (803) 898-0456 or lindlema@dhec.sc.gov.

Sincerely,

Van Keisler, Director
Division of Compliance and Enforcement
Bureau of Land and Waste Management

ec: Myra Reece, Director of Environmental Affairs
Marty Lindler, Manager; Jessica Price – SW Compliance
Juli Blalock – Mining and Solid Waste Management
Etta Williams Linen – Assistant General Counsel
Reahnita Tuten – Lowcountry EA Office, Beaufort
Chandler Lloyd – ablecontracting29936@gmail.com
Joan Hartley, Esq. – jhartley@nexsenpruet.com
Bureau File #23319

Community Air Quality Update - August 9, 2019

Ridgeland, South Carolina

South Carolina Department of Health and Environmental Control • www.scdhec.gov

Air Quality in the area has gotten worse over the past week during the calm late night and early morning. Even on days with higher average concentrations, particulate concentrations are low and in the 'GOOD' Air Quality Index category during the day and early evening.
DHEC's air Quality sensor data can be accessed at http://tinyurl.com/MOIX17468
to view the latest 15-minute average concentrations of Particulate Matter (PM) 2.5 microns in diameter - the size of particles found in smoke. The short 15 minute readings may be much higher that the average for the full day.

Date		Business		Community	
		24 Hour Average concentration ($\mu g/M^3$)	***Air Quality Index Category***	**24 Hour Average concentration ($\mu g/M^3$)**	***Air Quality Index Category***
Mon	22-July	4			
Tues	23-July	4			
Wed	24-July	36	*Unhealthy for Sensitive Groups*		
Thur	25-July	64			
Fri	26-July	25	*Moderate*		
Sat	27-July	47	*Unhealthy for Sensitive Groups*		
Sun	28-July	20	*Moderate*		
Mon	29-July	66			
Tues	30-July	40	*Unhealthy for Sensitive Groups*	Monitor Installed	
Wed	31-July	66		85	
Thur	1-Aug	31	*Moderate*	41	*Unhealthy for Sensitive Groups*
Fri	2-Aug	29	*Moderate*	17	*Moderate*
Sat	3-Aug	7		8	
Sun	4-Aug	16	*Moderate*	16	*Moderate*
Mon	5-Aug	15	*Moderate*	44	*Unhealthy for Sensitive Groups*
Tues	6-Aug	10		46	*Unhealthy for Sensitive Groups*
Wed	7-Aug	6		55	*Unhealthy for Sensitive Groups*
Thur	8-Aug	14	*Moderate*	82	

Printed 8/9/19

More information on the other side

Air Quality Category	Who Needs to be Concerned?	What Should I Do?
Moderate 12-35	Some people who may be unusually sensitive to particle pollution.	**Unusually sensitive people:** *Consider reducing* prolonged or heavy exertion. Watch for symptoms such as coughing or shortness of breath. These are signs to take it easier. **Everyone else:** It's a good day to be active outside.
Unhealthy for Sensitive Groups 36-55	Sensitive groups include **people with heart or lung disease, older adults, children and teenagers.**	**Sensitive groups:** *Reduce* prolonged or heavy exertion. It's OK to be active outside, but take more breaks and do less intense activities. Watch for symptoms such as coughing or shortness of breath. **People with asthma** should follow their asthma action plans and keep quick relief medicine handy. **If you have heart disease:** Symptoms such as palpitations, shortness of breath, or unusual fatigue may indicate a serious problem. If you have any of these, contact your heath care provider.
Unhealthy 56-150	**Everyone**	**Sensitive groups:** *Avoid* prolonged or heavy exertion. Move activities indoors or reschedule to a time when the air quality is better. **Everyone else:** *Reduce* prolonged or heavy exertion. Take more breaks during all outdoor activities.
Very Unhealthy 151-250	**Everyone**	**Sensitive groups:** *Avoid all* physical activity outdoors. Move activities indoors or reschedule to a time when air quality is better. **Everyone else:** *Avoid* prolonged or heavy exertion. Consider moving activities indoors or rescheduling to a time when air quality is better.
Hazardous 251-500	**Everyone**	**Everyone**: *Avoid all* physical activity outdoors. **Sensitive groups:** Remain indoors and keep activity levels low. Follow tips for keeping particle levels low indoors.

Community Air Quality Update - August 10, 2019

Ridgeland, South Carolina

South Carolina Department of Health and Environmental Control • www.scdhec.gov

Air Quality in the area has gotten worse over the past week during the calm late night and early morning. Even on days with higher average concentrations, particulate concentrations are low and in the 'GOOD' Air Quality Index category during the day and early evening.
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Wed	7-Aug	6		55	*Unhealthy for Sensitive Groups*
Thur	8-Aug	14	*Moderate*	82	
Fri	9-Aug	12		250	

Printed 8/10/19

More information on the other side

Air Quality Category	Who Needs to be Concerned?	What Should I Do?
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Ridgeland, South Carolina

South Carolina Department of Health and Environmental Control • www.scdhec.gov

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Fri	9-Aug	12			

Printed 8/10/19

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CMC, INC.

1151 Jessamine Station Road
Nicholasville, Ky. 40356
(859) 885-4955
Fax: (859) 885-4688

CLAY M. CORMAN
President

August 20th, 2019

Mr. Geoffrey Krieger
U.S. Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street. S.W
Atlanta, GA 30303-3104

RE: Receipt of Contract Number EP-S4-15-04
Task Order Number 68HE0419F0073

Dear Mr. Krieger,

This letter is to inform you that the above referenced task order for the Able Contracting Fire site was received on August 20th, 2019. Rick Hollingsworth is assigned as the CMC Project Manager for this site. We understand that CMC shall furnish the necessary personnel, equipment, materials, services, and otherwise perform all things necessary for or incidental to the performance of the Statement of Work activities as outlined below:

1. The contractor is required to contact OSC Matt Huyser on August 8, 2019, to coordinate Site activities and mobilization by August 9, 2019. The OSC with appropriate equipment and personnel to perform the following tasks as part of the emergency removal action associated with construction debris landfill fire:
    a. Coordinate all site activities with FOSC Matt Huyser at 678-427-8829;
    b. Provide relocation services to evacuated residents
    c. Supply personnel and heavy equipment as specified by the OSC to manage firefighting water and construct diversion drain to precent flooding from the water used to extinguish the fire;
    d. Collect samples of wastes generated during removal activities. This activity may include hazard characterization or procurement of laboratory analytical services to facilitate disposal/treatment/reuse/recycling;
    e. Provide a qualified individual capable of profiling waste streams for treatment/disposal or recycling/reuse by other legitimate business entities;
    f. Arrange for off-site transportation disposal/treatment/recycling/reuse of hazardous substances as directed by the OSC;
    g. Demobilize equipment and personnel upon direction by the OSC.
2. Develop a site-specific Health and Safety Plan (HASP) for approval by the OSC prior to initiation of response activities.

3. Contractor authorized for overtime not to exceed 23.5 hours per day per individual. This authorization is subject to revision by OSC through weekly work orders.
4. Contractor shall not charge to the Task Order for any work performed at off-site locations, unless it is approved in advance by the OSC.

Sincerely,

Clay M. Corman
President

cc: Dora Ann Johnson, Project Officer
Matthew Huyser, OSC

CMC, INC.

1151 Jessamine Station Road
Nicholasville, Ky. 40356
(859) 885-4955
Fax: (859) 885-4688

CLAY M. CORMAN
President

DELIVERY ORDER CONFLICT OF INTEREST CERTIFICATION

As CMC's Conflict of Interest Officer, I, Cody Brown, certify that a satisfactory Conflict of Interest search has been performed upon the receipt of Task Order No. 68HE0419F0073 Contract Number EP-S4-15-04, Able Contracting Fire site.

The search involved ascertaining both organizational Conflicts of Interest and personal Conflicts of Interest for personnel assigned to work on the Task Order.

To the best of my knowledge and belief, no Conflict of Interest exists for CMC or any of its subcontractors on this Task Order.

Signed: _____
Conflict of Interest Officer

Date: August 21st, 2019

CMC, INC.

1151 Jessamine Station Road
Nicholasville, Ky. 40356
(859) 885-4955
Fax: (859) 885-4688

CLAY M. CORMAN
President

MEMORANDUM

TO: CMC ERRS Job File

FROM: Cody Brown
Conflict of Interest Officer

DATE: August 21st, 2019

RE: Conflict of Interest Search
Contract Number EP-S4-15-04
Task Order Number 68HE0419F0073

CMC, INC. has conducted a search for actual, apparent, or potential COI, both organizational and personal, at the Able Contracting Fire site.

All potential key site personnel, including the Project Manager and crew assigned to the site, have been questioned for possible personal conflicts of interest and whether any staff member is aware of any additional past site work at the Able Contracting Fire site. None of the personnel is aware of any personal or organizational COI. None has worked on the site for another party, nor have any known conflict of interest.

Personnel who perform work under this Task Order, or relating to this Task Order, have been informed of their obligation to report personal and organizational conflicts of interest to CMC. CMC recognizes its continuing obligation to identify and report any actual or potential conflicts of interest arising during performance of this Task Order or other work relating to this site.

cc: Geoffrey Krieger, Contracting Officer
Dora Ann Johnson, Project Officer

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
61 Forsyth St. SW
Atlanta, GA 30303-8909

DATE: August 20, 2019

C M C, Inc.
Attn: Cody Brown
1151 Jessamine Station Road
Nicholasville KY 40356-9408

Subject: Contract Number: EP-S4-15-04 - Task Order: 68HE0419F0073

Dear Mr. Brown:

Enclosed you will find a copy of the above subject Task Order number. Please acknowledge receipt of this contract by signing below and returning a copy of this letter.

If you have any questions or need more information regarding this matter, please feel free to contact me at (404) 562-8242.

Sincerely,

Melisa M. Barbee
Contracting Officer

Enclosures

Acknowledged: _____

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER: 08/20/2019

2. CONTRACT NO. (If any): EP-S4-15-04

3. ORDER NO.: 68HE0419F0073

4. REQUISITION/REFERENCE NO.: PR-R4-19-00632

5. ISSUING OFFICE (Address correspondence to):
Region 4
US Environmental Protection Agency
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta GA 30303-3104

6. SHIP TO:
a. NAME OF CONSIGNEE: Region 4
b. STREET ADDRESS: US Environmental Protection Agency, Atlanta Federal Center, 61 Forsyth Street, SW
c. CITY: Atlanta
d. STATE: GA
e. ZIP CODE: 30303-3104
f. SHIP VIA:

7. TO: CLAY M. CORMAN
a. NAME OF CONTRACTOR: C M C, Inc.
b. COMPANY NAME:
c. STREET ADDRESS: 1151 JESSAMINE STATION ROAD
d. CITY: NICHOLASVILLE
e. STATE: KY
f. ZIP CODE: 403569408

8. TYPE OF ORDER
☐ a. PURCHASE
REFERENCE YOUR: CO's verbal authorization dated 08/14/2019
Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.
☒ b. DELIVERY
Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

9. ACCOUNTING AND APPROPRIATION DATA: See Schedule

10. REQUISITIONING OFFICE: R4 Acquisition Management Section

11. BUSINESS CLASSIFICATION (Check appropriate box(es))
☒ a. SMALL ☐ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT:

13. PLACE OF
a. INSPECTION: Destination
b. ACCEPTANCE: Destination

14. GOVERNMENT B/L NO.:

15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date): 08/06/2020

16. DISCOUNT TERMS:

17. SCHEDULE (See reverse for Rejections)

ITEM NO (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 102138153 TOCOR: Matthew Huyser Max Expire Date: 08/07/2020 InvoiceApprover: Dora Ann Johnson Alt Invoice App: Katrina Jones Continued ...					

18. SHIPPING POINT:

19. GROSS SHIPPING WEIGHT:

20. INVOICE NO.:

17(h) TOTAL (Cont. pages): $500,000.00

21. MAIL INVOICE TO:
a. NAME: RTP Finance Center
b. STREET ADDRESS (or P.O. Box): US Environmental Protection Agency, RTP-Finance Center (AA216-01), 109 TW Alexander Drive, www2.epa.gov/financial/contracts
c. CITY: Durham
d. STATE: NC
e. ZIP CODE: 27711

SEE BILLING INSTRUCTIONS ON REVERSE

17(i) GRAND TOTAL: $500,000.00

22. UNITED STATES OF AMERICA BY (Signature): 08/20/2019 Melissa M. Barbee — ELECTRONIC SIGNATURE

23. NAME (Typed): Melisa M. Barbee
TITLE: CONTRACTING/ORDERING OFFICER

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION NOT USABLE

OPTIONAL FORM 347 (Rev. 2/2012)
Prescribed by GSA/FAR 48 CFR 53.213(f)

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

IMPORTANT: Mark all packages and papers with contract and/or order numbers

DATE OF ORDER	CONTRACT NO.	ORDER NO.
08/20/2019	EP-S4-15-04	68HE0419F0073

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Admin Office: Region 4 US Environmental Protection Agency Atlanta Federal Center 61 Forsyth Street, SW Atlanta GA 30303-3104 Period of Performance: 08/08/2019 to 08/07/2020					
0001	Verbal authorization given by OSC on 08/08/2019 and Contracting Officer on 08/14/2019 for Emergency Response: Able Contracting Fire, 472 Schinger Ave, Ridgeland, Jasper Co., SC; SiteID: C4A9; POP: 08/08/2019 through 08/07/2020. TAS Code: 68-8145; (Time & Materials) Accounting Info: 19-T-4AD0E-000DC6-2505-C4A9RV00-C001-1 94ADZ9066-001 BFY: 19 Fund: T Budget Org: 4AD0E Program (PRC): 000DC6 Budget (BOC): 2505 Job #: C4A9RV00 Cost: C001 DCN - Line ID: 194ADZ9066-001 Funding Flag: Partial Funded: $100,000.00 Accounting Info: 19-T-4AD0E-000DC6-2505-C001-194ADZ9066 -002 BFY: 19 Fund: T Budget Org: 4AD0E Program (PRC): 000DC6 Budget (BOC): 2505 Job #: C4A9RV00 Cost: C001 DCN - Line ID: 194ADZ9066-002 Funding Flag: Partial Funded: $400,000.00				500,000.00	
	TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))				$500,000.00	

STATEMENT OF WORK
Able Contracting Fire Site
Ridgeland, Jasper County, SC
ERRS Contract – CMC

1. The contractor is required to contact OSC Matt Huyser on August 8, 2019, to coordinate Site activities and mobilization by August 9, 2019. The OSC with appropriate equipment and personnel to perform the following tasks as part of the emergency removal action associated with construction debris landfill fire:

    a. Coordinate all site activities with FOSC Matt Huyser at 678-427-8829;
    b. Provide relocation services to evacuated residents;
    c. Supply personnel and heavy equipment as specified by the OSC to segregate burning construction debris and extinguish the fire;
    d. Provide personnel and equipment as specified by the OSC to manage firefighting water and construct diversion drain to prevent flooding from the water used to extinguish the fire;
    e. Collect samples of wastes generated during removal activities. This activity may include hazard categorization or procurement of laboratory analytical services to facilitate disposal/treatment/reuse/recycling;
    f. Provide a qualified individual capable of profiling waste streams for treatment/disposal or recycling/reuse by other legitimate business entities;
    g. Arrange for off-site transportation disposal/treatment /recycling/reuse of hazardous substances as directed by the OSC;
    h. Demobilize equipment and personnel upon direction by the OSC.

2. Develop a site-specific Health and Safety Plan (HASP) for approval by the OSC prior to initiation of response activities.

3. Contractor authorized for overtime not to exceed 23.5 hours per day per individual. This authorization is subject to revision by OSC through weekly work orders.

4. Contractor shall not charge to the Task Order for any work performed at off-site locations, unless it is approved in advance by the OSC.

5. This Task Order is issued in accordance with the EPA Region 4 ERRS Contract No. EP-S4-15-04, Statement of Work, and may require any or all of the removal actions described in the subject contract.

U.S. ENVIRONMENTAL PROTECTION AGENCY
ERRS CONTRACTOR TASKING NOTICE

Emergency T.O. -Tel. Duty OSC Complete items- 1,10,11,13,14,15,16, and 17 cc:OSC Support/PO with SOW

1. DATE OF REQUEST:.	7-8-2019
2. CONTRACT NUMBER:	EP-S4-15-04
3. ASSIGNED SITE ID NUMBER:	C4A9
4. ISSUING OFFICE (Address):	U.S. EPA REGION IV, PROCUREMENT SECTION 14TH FLOOR AFC, 61 FORSYTH ST. S.W. ATLANTA, GA 30303
5. PROJECT OFFICER:	Dora Ann Johnson
6. CONTRACTOR:(include ZIP code)	CMC, Inc. 1151 Jessamine Station Road Nicholasville, KY 40356
7. TYPE OF ORDER (NTC, EMERGENCY)	EMERGENCY
8. STATEMENT OF WORK:	SEE ATTACHED
9. ORDERING OFFICER (CO OR OSC) SIGNATURE: CO OR OSC)	[signature]
10.ORDERING OFFICER NAME TYPED AND DATE:	Benjamin Franco 7-8-19
11. SITE NAME AND ADDRESS:	Able Contracting Fire 472 Schinger Ave Ridgeland, SC
12. CONTRACTOR REQUIRED ON-SITE DATE:	7-8-2019
13. PERIOD OF PERFORMANCE site vist,etc.	FROM: 7-8-2019 TO: 7-7-2020
14. TOTAL FUNDING:	$100,000
15. OSC ASSIGNED NAME AND TELEPHONE NO.:	MAH Huyser - 678-427-8829
16. OSC SUPPORT SPECIALIST:	L. Monty Bates, Ext. 28354

DCN	FY	APPRO. CODE	ORG CODE	PROG. ELEM.	OBJECT CLASS	SFO

AMT. DOLLARS	SITE ID.	COST ORG/CODE

replaces EPA Form 1900-59 (revised 7-94)

TASK ORDER CONTRACTING OFFICER'S REPRESENTATIVE (TOCOR) APPOINTMENT MEMORANDUM

Date:	August 20, 2019
To:	Matthew Huyser
From:	Melisa M. Barbee, Contracting Officer
Subject:	TASK ORDER CONTRACTING OFFICER'S REPRESENTATIVE (TOCOR) APPOINTMENT

You are hereby delegated authority to act as a Federal Acquisition Certification Contracting Officer's Representative (FAC-COR) Level 2, Task Order Contracting Officer's Representative (TOCOR) under Contract EP-S4-15-04, in the event a task order is issued, and you are identified by the Contracting Officer (CO) as the TOCOR on the Task Order award document. As such your duties will be to assist the CO in the monitoring and oversight of the technical and programmatic aspect of the corresponding Task Order through performance and closeout. This delegation may not be changed unless written authorization is given by a CO. As a TOCOR you may be personally liable for unauthorized acts or commitments. "Unauthorized commitment," as used in this section, means an agreement that is not binding solely because the Government representative who made it lacked the authority to enter into that agreement on behalf of the Government. As the TOCOR, you must represent the CO within the scope of the following authority, responsibilities, and limitations:

AUTHORITY:

As TOCOR, you have the authority to:

1. Perform surveillance of the work described in the task order and conduct inspections that are necessary to assure compliance with the contract/task order's terms and conditions. Resolve day-to-day matters within the scope of your authority.
2. Perform inspection(s) necessary for the acceptance of deliverables (including contract line items numbers (CLINs) as stated in the contract/task order and to require the contractor to correct any deficiencies.
3. Assist the contractor in interpreting the contract/task order specifications or technical requirements provided that any interpretation or clarification that the TOCOR provides is within the limitations prescribed late in this delegation
4. Certify invoices for payment, if applicable.

RESPONSIBILITIES:

As TOCOR, you have the following responsibilities, if applicable:

1. Be familiar with and understand contract/task order requirements (SOW/PWS/SOO, specifications, CLINs and work-break-down structure) and implications of contractor performance in relation to the contract/task order requirements.

2. Assist the CO in developing a task order management plan, finalizing it with the contractor and executing it.

3. Establish a technical performance review program for evaluation of the contractor's work in accordance with the contract/task order's terms, conditions, and specifications.

4. Be familiar with appropriate sections of the Federal Acquisition Regulation (FAR), EPA's Acquisition Regulation (EPAAR) and other Agency guidelines and provide insights to the CO on technical requirements and issues.

5. Maintain a complete working file of all correspondence (or data), including but not limited to invoices initiated or received by you in connection with subject task order.

6. Serve as a member of the negotiation team (as a consultant to the CO) during negotiations by reviewing and evaluating the technical aspects of Contractor proposals and furnishing evaluation comments and recommendations to the CO.

7. Monitor the contractor's performance of the technical requirements of the contract/task order and notify the CO in writing of any indication that the terms of the contract/task order are not being met.

8. Inspect task order deliverables for conformance to the task order specifications and accept or reject them.

9. Maintain direct communications with the Contractor and the CO. Serve as the liaison through which the Contractor can relay questions and problems of a technical nature to the CO. Meet with the Contractor or its designated representative on a periodic basis to keep the lines of communication open.

10. Draft technical portions of CO letters to the Contractor as requested by the CO.

11. Advise the CO on contractual matters of a technical nature.

12. Recommend needed change orders to the CO when in the best interest of the government.

13. Inform the CO as to the status and progress of performance under the task order and alert the CO to any potential or existing problems.

14. Monitor the Contractor's use of key personnel and notify the CO of any changes in key personnel proposed by the Contractor.

15. Review the qualifications of proposed subcontractors and the appropriateness of subcontracting work and make recommendations to the CO regarding consent to the placement of subcontractors.

16. Practice claims avoidance, halting unspecified accelerated production and/or directions of other government employees.

17. Perform timely approval of invoices to ensure Prompt Payment of those invoices.

18. Evaluate all payment requests (e.g. advance, progress, etc.) based on costs/price incurred and actual work accomplished during invoice certification.

19. Promptly notify the CO when absence, (e.g. on leave, emergency, etc.) and Alternate TOCOR is not available to ensure prompt payment of invoices.

20. Input, retrieve and analyze past performance evaluation report into the Contractor Performance Assessment Reporting System (CPARS) or as otherwise requested by the CO.

21. Review all contractor-furnished reports, including monthly progress reports and earned value management reports when appropriate.

22. Submit reports, such as the Quality Assurance Surveillance Report, the CO requires to perform their duties.

23. Ensure that Electronic and Information Technology (EIT) products or services, produced, or delivered by Contractors or consultants meet applicable Section 508 accessibility standards or notify the CO when they are not in compliance before acceptance.

24. Ensure appropriate confidentiality of Contractor submissions bearing proprietary markings.

25. Coordinate with the CO to ensure support Contractors have signed nondisclosure forms.

26. Ensure administration of Government-Furnished Property (GFP).

27. Furnish the CO requests for waivers (whether generated by Government or Contractor personnel) along with supporting paperwork.

28. Monitor the Contractor's compliance with safety and security requirements.

29. Conduct business with industry, in accordance with EPA Oder 1900.1A Interacting with Contractors.

30. Maintain a professional relationship with the Contractor at all times.

31. Ensure Contractor completion of yearly security awareness training.

32. Provide the CO a copy of all technical correspondence with the contractor.

33. Maintain copies of all deliverables received under the tasking document (i.e., Task Order Award). This file is considered a segment of the official contract file and should be forwarded to the CO/Contract Specialist at the final closeout of the task order.

34. Obtain and maintain a listing of employees who will be working at the site. The list is to be kept current by assuring that employees are added and deleted from the list as appropriate. This is important to the security of the facility and your list may be used as a basis for background checks by the security office in the relevant location. A copy of this list must be provided to the security office at least quarterly, and at any time a contractor employee is added or deleted from the list.

35. Complete mandatory training required for the appointed COR level. FAC-COR certifications are valid for two years from the date of Federal Acquisition Institute Training Application System (FAITAS) certification.

36. Seek guidance from the CO for specific situations not covered in this memorandum.

37. Report any observed fraud, waste or inefficiencies to the CO.

38. Report through normal administrative channels to Agency Inspector General (IG) and to the CO, any evidence of prime or subcontractor kickback, attempt to bribe, or other fraudulent behavior.

LIMITATIONS:

As TOCOR, you may not:

1. Make or give the appearance of being able to make contractual commitments outside the scope of the task order or execute or agree to modifications or take actions that would commit the Government to a change in task order price, quality, quantity, or delivery schedule.
2. Sign any changes or modifications to contracts and/or task order(s).
3. Make determinations regarding issues of Contractor liability that may arise during task order performance. Such issues should be referred to the CO.
4. Authorize the purchase or lease of Government-Furnished Property (GFP).
5. Conduct negotiations or bind the Government by making any written or oral agreements with the Contractor.
6. Directly or indirectly change the following:
   a. Pricing, cost or fee;
   b. Scope of the task order;
   c. Delivery schedule or period of performance;
   d. Labor mix or level of effort; or any other terms/conditions of the task order.
7. Take part in a labor controversy or dispute involving the Contractor or its employees.
8. Direct the Contractor on how to perform the work.
9. Issue stop-work orders.
10. Supervise Contractor employees implicitly or explicitly which could constitute personal services.
11. Engage in conduct prejudicial to the Government.
12. Use public office for gain.
13. Impede Government efficiency or economy.
14. Lose independence or impartiality.
15. Make a Government decision outside official channels.
16. Affect adversely the public's confidence in the Government.

NOTE: The CO may add other duties not covered above here.

ACKNOWLEDGMENT STATEMENT

Please acknowledge receipt and acceptance of this appointment by signing and returning the attached this document to the CO. Your appointment as the TOCOR under the above numbered contract can be terminated upon receipt of a written notice of termination from the appointing CO, the CO's successor, or a higher level of authority, or upon completion of the task order.

The duties and responsibilities set forth herein are not intended to be all-inclusive. As TOCOR, you are required to consult with the CO when there are questions related to your authority. You are not authorized to redelegate your authority other than to the appointed alternate TOCOR. If you have any questions concerning your role as TOCOR, please contact the CO or the Regional Acquisition Manager (RAM).

I understand my responsibilities, as outlined in the TOCOR appointment Memorandum, and accept my appointment as a FAC-COR Level 2, TOCOR for Contract EP-S4-15-04, in the event a task order is issued, and I am identified by the CO as the TOCOR on the Task Order award document.

Mathew Huyser
TOCOR

Date 8/28/2019

TOCOR's Supervisor

Date 8/30/19

Melisa M. Barbee
Contracting Officer

Date 08/20/2019

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT OBJECTIVES ICS 202 - EPA
ABLE CONTRACTING FIRE	From: 8/13/2019 0700 To: 8/14/2019 0700	

3. Incident Objective(s):

1) Extinguish fire and ensure it does not re-ignite
2) Ensure Health and safety of responders on-site
3) Maintain air quality monitoring and inform on-site personnel of adverse conditions
4) Establish and execute an outreach plan to notify community of response activities and air quality conditions

4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions):

Maintain communication between response partners on activities, expectations, and progress.
Begin aggressive firefighting operations with heavy equipment

5. General Situation Awareness (Safety bullets, Weather, etc...):

1) Wind direction, modify work zone to be upwind when possible. Heat Stress awareness
2) Equipment checklist documented before work starts. PPE check completed as well (SCBA).
3) Spotter for power lines provided by Santee Cooper
4) Traffic control for trucks, media, workers.
5) Weather conditions; Temp. 93°F, apparent 108°F, 0% rain, inversion end 0900, Surface wind NE in AM, SE in PM.
6) Communication w/ truck drivers + equipment operators while loading/moving.

☒ Approved Site Safety Plan Located at: ENSAFE RESPONSE TRAILER

6. Prepared By: (PSC)	(Date / Time)
Name:	Signature:

7. Approved By (Incident Commander(s)):	(Date / Time)
Name: RBB	Signature: 8/12/2019

3. Branch: FIRE BRANCH

4. Division/Group/Staging:

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	CAROL CROOKS	DHEC	803-315-0055
Branch Director:	STEVEN HODSKINS	ENSAFE	706-455-7556
Division/Group Supervisor/STAM:			

6. Resources Assigned: **"X" indicates 204a attachment with additional instructions**

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
Safety FIRE TEAM	John Kinsey	843 991-0376	5		☐
ENVIRO ~~TEAM~~ / EQUIP OPS TEAM	Bryan Snow	843 609-6681	4		☐
					☐
Safety	John Kinsey	843 991-0376	2		☐
					☐
					☐

7. Work Assignments:

Safety Fire Team: Handling all water spraying operations, hydrants, pumper truck. Conduct/oversee fire suppression activities.

Envir/Equip Ops: Use heavy equipment to move water at [illegible] stockpiles, spread material on ground [illegible] onto truck for offsite disposal.

Safety: General oversight of work activities of Fire Safety [illegible] Envir/Equip Ops health and safety issues. Documentation of H&S issues, equipment checks, use of SCBAs. Conduct daily H&S meetings. Conduct onsite air monitoring for worker safety.

8. Special Instructions:

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager
Fire Safety and Envir/Equip Ops Team	1		

Emergency Communications:

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)
	[signature] 8/12/2019	

ASSIGNMENT LIST [signature] 8/12/2019 **ICS 204 – EPA** *(Rev 05/18)*

1. Incident Name:	2. Operational Period: (Date / Time)	ASSIGNMENT LIST ICS 204 - EPA
ABLE CONTRACTING FIRE	From: 8/13/2019 0700 To: 8/14/2019 0700	

3. Branch:	4. Division/Group/Staging:
AIR MONITORING ~~AIR BRANCH~~ BRANCH	

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	CAROL CROOKS	DHEC	803-315-0035
Branch Director:	MATTHEW HUYSER	EPA	678 4278829
Division/Group Supervisor/STAM:			

6. Resources Assigned: "X" indicates 204a attachment with additional instructions

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
EPA AIR TEAM	ERIC HUSS	610 348 6959	4	NIGHT JOSIAH WILLIAMS 404-542-6530	☐
DHEC AIR TEAM	KEITH FROST	803-405-1529			☐
					☐
					☐
					☐
					☐

7. Work Assignments:

Maintain air monitor remote data collection.
Report alarm events to EPA and DHEC IC immediately
VOC ≥ 10ppm, CO ≥ 25 ppm, PM2.5 ≥ 0.25 mg/m³
Download data @ 0700 and 1900, provide data summary report in 1 hour from download

8. Special Instructions:

Document and record ~~too smoke~~ visible smoke events to ground. Notify IC of observations and distance.
Provide smoke status for 0700 ops Brief

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager
EPA 1	Mutual Aid Ch 8 24		

Emergency Communications: 911

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)
	8/12/2019	
	8/12/2019	

To:

3. Communication Contact List:

NAME	POSITION	PHONE NUMBER	AGENCY / AFFLIATION	EMAIL ADDRESS
Gary Stewart	DHEC IC	803-[illegible]	DHEC	[illegible]
Carol Crooks	Ops Section Chief	803-[illegible]	DHEC	[illegible]
Steven Hodskins	Branch Director	706-455-7550	Ensafe	shodskins@ensafe.com
John Kinsey	Fire Safety Team Leader	843-491-0376	Envirosmart	john.kinsey@enviro.us
~~Envir/Equip Ops~~				
Bryan Snow	Enviro/ Equip Ops Team	843-609-6681	Envirosmart	bryan@envirosmart.us
Keith Frost	DHEC Air Team	803-465-1529	DHEC	frostrk@dhec.sc.gov
Fran Marshall	Situation Team Leader	803-898-9556	DHEC	marshal2@dhec.sc.gov

4. Prepared by: (Date / Time)

Name/Position: Signature: [signature] 8/2/2019

[signature] 8/12/2019

INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA (Rev 05/18)

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
ABLE CONTRACTING FIRE	From: 8/13/2019 0700 To: 8/14/2019 0700	

3. Communication Contact List:

NAME	POSITION	PHONE NUMBER	AGENCY / AFFLIATION	EMAIL ADDRESS
MATTHEW HUYSER	EPA IC	678 427 8829	EPA	HUYSER.MATTHEW @ EPA.GOV
Courtney S. Redd	EPA AIR TEAM LEAD	678-6563481	START	courtney.redd@tetratech.com
ERIC HUSS	EPA AIR TEAM	610-348-6959	START	eric.huss@tetratech.com
OTIS HALSEY	EPA STAGING	678 241.0856	Basha SERVICES	ohalsey@bashaservices.com
JOSIAH WILLIAMS	EPA AIR TEAM	404-542-6530	START	josiah.williams@tetratech.com
CORY PEASLEE	EPA AIR TEAM	443-977-7698	START	Corey.peaslee@tetratech.ca

4. Prepared by: (Date / Time)

Name/Position: Signature: 8/12/2019

RDD 8/12/2019

ICS 207 Organizational Chart

Incident Name:	ABLE CONTRACTING FIRE
Operational Period:	8/13/2019 0700 - 8/14 0700
Prepared by:	
Date:	8/12/2019
Time:	MAA 8/12/2019 KDS 8/12/2019

UNIFIED ~~Incident~~ Commander
GARY STEWART, DHEC
MATTHEW HUYSER, EPA

JOHN SO KINSEY, ENVIROSMART

Safety Officer	
Liaison Officer	
Information Officer	

RON TOLLIVER, EPA
SANDRA CARRASCO, DHEC
LISA WAGNER, JASPER CO

Operations Section
OPS: CAROL CROOKS, DHEC
DOPS:

- Staging Area
- FIRE — Branch Director: STEVEN HODSKINS, ENSAFE
  - FIRE TEAM — ~~Division Supervisor~~ JOHN KINSEY, ENSAFE
  - ~~Division Supervisor~~
  - ENVIRO TEAM — ~~Division Supervisor~~ BRIAN SNOW, ENSAFE
  - Division Supervisor
  - EQUIPMENT OPS TEAM — ~~Division Supervisor~~ BRIAN SNOW, ENSAFE
- AIR — Branch Director: ~~ERIC HUSS, START~~ MATTHEW HUYSER, EPA
  - Group Supervisor
  - EPA AIR TEAM — ~~Group Supervisor~~ ERIC HUSS, START
  - DHEC AIR TEAM — ~~Group Supervisor~~ KEITH FROST, DHEC
  - Group Supervisor
  - Group Supervisor

Planning Section * ?
PSC:
DPSC:

- Resources Unit
- Situation Unit * Fran Marshall (DHEC)
- Demobilization Unit
- Documentation Unit
- Environmental Unit
- Technical Specialists
  - TIM FREDERICK, EPA TOXICOLOGIST
  - SUE CASTEEL, ATSDR
  - SCOTT REYNOLDS, DHEC AR DIVISION

Logistics Section
LSC:
DLSC:

- Service Branch
  - Communication Unit Leader
  - Medical Unit Leader
  - Food Unit Leader
- Support Branch
  - Facilities Unit Leader
  - Supply Unit Leader
  - Ground Support Unit Leader

FS
DI

1. Incident Name:	2. Operational Period: (Date / Time)	DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA
ABLE CONTRACTING FIRE	From: 8/13/2019 0700 To: 8/14/2019 0700	

3. Meeting Schedule (Commonly-held meetings are included) :

Date/ Time	Meeting Name	Purpose	Attendees	Location
8/13 0700	OPERATIONS BRIEFING	Present Objectives Situation and Weather Work Assignments Safety Briefing	IC, OPS, Branch Directors, Team Leaders	ENSAFE Command Post
8/13 0800	OBJECTIVES MEETING	Review/Set objectives Identify critical tasks and command emphasis	DHEC IC, EPA IC, and Information Officers	EPA Command Post
8/13 Before 1200	TACTICS MEETING	Can objectives be acheived? What new tactics needed? What new resources needed? When done? Who responsible?	Operations Section Cheif Fire Branch Dir Air Monitoring Branch Dir	ENSAFE Command Post
8/13 Shift End	PLANNING MEETING	Situation update Results of tactics meeting Changes in work assignments	IC, OPS, Branch Directors	~~ENSAFE~~ EPA Command Post
8/14 0700	OPERATIONS BRIEFING	Present Objectives Situation and Weather Work Assignments Safety Briefing	IC, OPS, Branch Directors, Team Leaders	ENSAFE Command Post

4. Special and Other Meetings:

8/13 1400	SITUATION UPDATE DUE	Provide situation update for web posting	IC DHEC and IC EPA	send to Information Officers
8/13 0800	NIGHT Data Summary Report	Provide data summary report for distribution	Air Monitoring Team Leader	send to IC EPA
8/13 2000	DAY Data Summary Report	Provide data summary report for distributoin	Air Monitoring Team Leader	send to IC EPA

5. Prepared by: (PSC)		(Date / Time)
Name:	Signature: 8/12/2019	

From: National Weather Service <chs.skywarn@noaa.gov>
Sent: Monday, August 12, 2019 9:01 AM
Subject: Spot Forecast

FNUS72 KCHS 121300
FWSCHS

Spot Forecast for Able Contracting Fire...USEPA R4
National Weather Service Charleston SC
900 AM EDT Mon Aug 12 2019

Forecast is based on forecast start time of 0900 EDT on August 12.
If conditions become unrepresentative, contact the National Weather
Service.

.DISCUSSION...
A stationary front over southeast Georgia will dissipate through
tonight. Drier high pressure will briefly build from the north on
Tuesday, before a cold front drops into the area late Wednesday
and lingers into this weekend.

Fog potential for tonight: Low.

.REST OF TODAY...

Sky/weather.....Mostly sunny. Slight chance of showers and
thunderstorms early in the afternoon.
Chance of pcpn.....20 percent.
Max temperature.....Around 92.
Min humidity.....62 percent.
Max apparent temp...106.
Surface winds.....Light winds becoming east 7 to 9 mph in the
afternoon.
Mixing Height.....Max 4200 ft AGL.
Transport Winds.....East 6 to 10 mph.
Pcpn amount.....0.00 inches.
Inversion End.....0900.

TIME (EDT)	9AM	10A	11A	12P	1PM	2PM	3PM	4PM	5PM
Sky (%).....	38	42	45	47	49	49	48	46	43
Weather type....						RW	RW	RW	RW
Tstm cov.....						SCH	SCH	SCH	SCH
Chc of pcpn (%).	10	10	10	10	10	20	20	20	20
Temp.....	83	85	87	89	91	91	91	91	91
RH.....	82	77	72	68	62	62	62	62	62
Aparnt tmp (F)..	92	96	99	102	103	103	103	103	103
Surface wnd dir.	NE	NE	NE	E	E	E	E	E	E
Surface wnd spd.	4	4	4	7	7	8	9	9	9
Surface wnd gst.	6	6	6	12	12	14	14	14	14
Mix hgt (kft)...	1.7	2.2	2.8	3.2	3.7	4.2	4.1	4.1	3.5
Transp wind dir.	E	E	E	E	E	E	E	E	E
Transp wind spd.	6	6	6	8	8	8	10	10	10

.TONIGHT...

Sky/weather.....Partly cloudy.
Chance of pcpn.....10 percent.
Min temperature.....Around 75.
Max humidity.....100 percent.
Max apparent temp...102.
Surface winds.....Southeast winds 6 to 9 mph early in the evening becoming light.
Pcpn amount.....0.00 inches.
Inversion Begin.....2100.

TIME (EDT)	6 PM	8 PM	10 PM	MIDNGT	2 AM	4 AM
Sky (%).....	41	38	43	48	49	45
Weather type....	NONE	NONE	NONE	NONE	NONE	NONE
Tstm cov.....						
Chc of pcpn (%).	10	10	0	0	10	10
Temp.....	90	85	82	79	78	77
RH.....	64	75	85	94	97	97
Aparnt tmp (F)..	102	94	90	79	78	77
Surface wind....	E 9	SE 6	E 3	E 1	NE 0	N 0
Surface wnd gst.	14	8	6	4	2	2
Mix hgt (ft)....	2900	1800	2100	2500	2800	3200
Transport wind..	SE 10	SE 10	SE 8	SE 6	SE 6	SE 4

.TUESDAY...

Sky/weather.....Mostly sunny.
Chance of pcpn.....10 percent.
Max temperature.....Around 93.
Min humidity.....56 percent.
Max apparent temp...108.
Surface winds.....Light winds becoming southeast 6 to 8 mph in the afternoon.
Mixing Height.....Max 4900 ft AGL.
Transport Winds.....Light winds becoming southeast around 8 mph late in the afternoon.
Pcpn amount.....0.00 inches.
Inversion End.....0900.

TIME (EDT)	6 AM	9 AM	NOON	3 PM
Sky (%).....	43	42	41	41
Weather type....	NONE	NONE	NONE	NONE
Tstm cov.....				
Chc of pcpn (%).	0	0	10	10
Temp.....	76	82	90	93
RH.....	100	82	64	56
Aparnt tmp (F)..	76	89	102	105
Surface wind....	N 0G2	NE 1G2	SE 4	SE 8G10
Mix hgt (ft)....	3500	4100	4600	4800
Transport wind..	E 2	E 2	SE 4	SE 8

.FORECAST DAYS 3 THROUGH 7...
.WEDNESDAY...
Partly cloudy. Chance of showers and thunderstorms. Lows in the upper 70s. Highs in the mid 90s. South winds around 5 mph.
.THURSDAY...
Mostly cloudy with showers and thunderstorms likely. Lows in the upper 70s. Highs around 90. Southwest winds around 6 mph.
.FRIDAY...
Showers and thunderstorms likely. Lows in the mid 70s. Highs in the upper 80s. Light winds.
.SATURDAY...
Showers and thunderstorms likely. Lows in the mid 70s. Highs in

$$
Forecaster...33
Requested by...Matthew Huyser
Type of request...HAZMAT
.TAG 1913692.0/CHS
.DELDT 08/12/19
.EMAIL huyser.matthew@epa.gov

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT OBJECTIVES ICS 202 - EPA
Able Contracting Fire	From: 8/14/19 0700 To: 8/15/19 0700	

3. Incident Objective(s):

1) Extinguish fire and leave conditions to reduce the risk of reignition

2) Ensure health and safety of responders on-site

3) Maintain air quality monitoring and inform on-site personnel of adverse conditions

4) Establish and execute an outreach plan to notify community of response activities and air quality conditions

5) Provide for relocation of residents closest to the Site and maintain frequent communication with those residents on status and expected duration

6) Prepare for potential lead agency transition

4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions):

- Maintain communication between response partners on activities, expectations, and progress.
- Expand aggressive fire fighting operations with heavy equipment
- Water curtain worst chimneys overnight, if possible, to reduce offsite morning smoke
- Prepare for potential meeting with business community on Thursday 8/15

5. General Situation Awareness (Safety bullets, Weather, etc...):

- Wind direction, modify work zone to be upwind when possible. Heat stress awareness.
- Equipment checklist documented before work starts. Personal protection equipment (PPE) check complete as well (SCBA).
- Spotter for power lines provided by Santee Cooper.
- Traffic control for trucks, media, and workers.
- 6Communication with truck drivers and equipment operators while loading/moving.

WEATHER FOR WEDNESDAY 8/14/2019: Inversion lifts 0900 and begins at 2100. Surface winds from SW in morning and shift to S by afternoon and overnight. Chance of thunderstorms in afternoon. Temp high 95 with max apparent temp at 109. Could be morning smoke in commercial area at corner of Short Cut Road and Argent Blvd as well as the Hearthstone community.

■ **Approved Site Safety Plan Located at:** Ensafe Response Trailer

6. Prepared By: (PSC)		(Date / Time)
Name:	Signature:	8/13/19 8/13/19

7. Approved By (Incident Commander(s)):		(Date / Time)
Name:	Signature:	

1. Incident Name:	2. Operational Period: (Date / Time)	ASSIGNMENT LIST ICS 204 - EPA
Able Contracting Fire	From: 8/14/19 0700 To: 8/15/19 0700	

3. Branch:	4. Division/Group/Staging:
Fire Branch	

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	Carol Crooks	DHEC	(803) 315 - 0035
Branch Director:	Steven Hodskins	Ensafe	(706) 455 - 7556
Division/Group Supervisor/STAM:			

6. Resources Assigned: "X" indicates 204a attachment with additional instructions

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
Fire Safety Team	John Kinsey	(843) 991 - 0376	5		☐
Enviro Team	Bryan Snow	(843) 609 - 6681	4		☐
Equip Ops Team					☐
Safety	John Kinsey	(843) 991 - 0376	2		☐
					☐
					☐

7. Work Assignments:

Fire Safety Team - Handling all water spraying operations, hydrants, pumper truck. Conduct/oversee fire suppression activities.

Enviro/Equipment Ops Team - Use heavy equipment to move material from stockpiles. Spread material on ground. Load into trucks for off-site disposal

Safety: General oversight of work activities of Fire Safety Team and Enviro/Equip Ops team and safety issues. Documentation of H&S issues, equipment checks, use of SCBAs. Conduct daily H&S meetings. Conduct onsite aire monitoring for worker safety.

8. Special Instructions:

Santee Cooper will provide on-site spotter for high voltage power lines

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager
EPA 1	Mutual Aid Ch8 Z4		
Ops Team			

Emergency Communications:

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)
	8/13/19	
	8/13/19	

1. Incident Name:	2. Operational Period: (Date / Time)	ASSIGNMENT LIST ICS 204 - EPA
Able Contracting Fire	From: 8/14/19 0700 To: 8/15/19 0700	

3. Branch:	4. Division/Group/Staging:
Air Monitoring Branch	

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	Carol Crooks	DHEC	(803) 315 - 0035
Branch Director:	Matthew Huyser	EPA	(678) 427 - 8829
Division/Group Supervisor/STAM:			

6. Resources Assigned: "X" Indicates 204a attachment with additional instructions

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
EPA Air Team	Eric Huss	(610) 348 - 6959	4	Night: Josiah Williams (404) 542 - 6530	☐
DHEC Air Team	Keith Frost	(803) 465 - 1529			☐
					☐
					☐
					☐
					☐

7. Work Assignments:

Maintain air monitor remote data collectoin
Report alarm events to EPA and DHEC IC immediately
- VOC ≥10ppm
- CO ≥25ppm
- PM2.5 ≥0.25mg/m3

Download data at 0700 and 1900, provide data summary report within 1 hour to Air Monitoring Branch Director

8. Special Instructions:

Document and record visible smoke events to ground. Provide log of events to Air Monitoring Branch Director by 0700.
Notify UC of significant downwind smoke observations

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager
EPA 1	Mutual Aid Ch8 Z4		

Emergency Communications: 911

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)
	8/13/19	8/13/19

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
Able Contracting Fire	From: 8/14/19 0700 To: 8/15/19 0700	

3. Communication Contact List:

NAME	POSITION	PHONE NUMBER	AGENCY / AFFLIATION	EMAIL ADDRESS
Gary Stewart	DHEC IC	(803) 603-1511	DHEC	stewarrg@dhec.sc.gov
Carol Crooks	Ops Section Chief	(803) 315-0035	DHEC	crookscl@dhec.sc.gov
Steven Hodskins	Branch Director	(706) 455-7556	Ensafe	shodskins@ensafe.com
John Kinsey	Fire Safety Team Leader	(843) 991-0376	Envirosmart	john.kinsey@envirosmart.us
Bryan Snow	Enviro/Equip Ops Team	(843) 609-6681	Envirosmart	bryan@envirosmart.us
Keith Frost	DHEC Air Team	(803) 465-1529	DHEC	frostrk@dhec.sc.gov
Fran Marshall	DHEC Situation Team Leader	(803) 898-9556	DHEC	marshaf2@dhec.sc.gov

4. Prepared by:

Name/Position:	Signature:	(Date / Time)
		8/13/19

8/13/19

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
Able Contracting Fire	From: 8/14/19 0700 To: 8/15/19 0700	

3. Communication Contact List:

NAME	POSITION	PHONE NUMBER	AGENCY / AFFLIATION	EMAIL ADDRESS
Matthew Huyser	EPA IC	(678) 427-8829	EPA	huyser.matthew@epa.gov
Courtney S. Redd	EPA Air Team Lead	(678) 656-3481	START	courtney.redd@tetratech.com
Eric Huss	EPA Air Team	(610) 348-6959	START	eric.huss@tetratech.com
Otis Halsey	EPA Staging	(678) 241-0856	Basha Services	ohalsey@bashaservices.com
Josiah Williams	EPA Air Team	(404) 542-6530	START	josiah.williams@tetratech.com
Corey Peaslee	EPA Air Team	(443) 977-7698	START	corey.peaslee@tetratech.com
Rick Hollingsworth	EPA Staging	859-333-3644	ERRS	cmcrickh@aol.com
Ronald Tolliver	EPA IO	404-852-9751	EPA	tolliver.ronald@epa.gov

4. Prepared by:		(Date / Time)
Name/Position:	Signature: MJH 8/13/19 RSS 8/13/19	

ICS 207 Organizational Chart

Incident Name:	Able Contracting Fire
Operational Period:	8/14 0700 – 8/19 0700
Prepared by:	
Date:	
Time:	

Unified ~~Incident~~ Commander
Gary Stewart, DHEC and Matthew Huyser, EPA

Ron Tolliver, EPA
Sandra Carrasco, DHEC
Lisa Wagner, Jasper Co

Safety Officer	John Kinsey, Envirosmart
Liaison Officer	
Information Officer	

Operations Section
OPS: Carol Crooks, DHEC
DOPS:

- Staging Area
- Fire Branch Director: Steven Hodskin
  - Fire Teal Lead: John Kinsey, Ensafe
  - Enviro Team Lead: Bryan Snow, Ensafe
  - Equipment Ops Team lead: Bryan Snow, Ensafe
  - Division Supervisor
  - Division Supervisor
- Air Mon. Branch Directo: Matthew Huyser, EPA
  - EPA Air Team: Eric Huss, START
  - DHEC Air Team
  - DHEC Air Team: Keith Frost, DHEC
  - Group Supervisor
  - Group Supervisor
  - Group Supervisor

Planning Section
PSC:
DPSC:

- Resources Unit
- Situation Unit: Fran Marshall, DHEC
- Demobilization Unit
- Documentation Unit
- Environmental Unit
- Technical Specialists: Tim Frederick, EPA
  - Toxicologist
  - Sue Cameel, ATSDR
  - Scott Reynolds, DHEC Air Division

Logistics Section
LSC:
DLSC:

- Service Branch
  - Communication Unit Leader
  - Medical Unit Leader
  - Food Unit Leader
- Support Branch
  - Facilities Unit Leader
  - Supply Unit Leader
  - Ground Support Unit Leader

Finance Section
FSC:
DFSC:

- Time Unit
- Procurement Unit
- Comp/Claims Unit
- Cost Unit

MAA 8/13/19
RDS 8/13/19

1. Incident Name:	2. Operational Period: (Date / Time)	DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA
ABLE CONTRACTING FIRE	From: 8/14/19 0700 To: 8/15/19 0700	

3. Meeting Schedule (Commonly-held meetings are included) :

Date/ Time	Meeting Name	Purpose	Attendees	Location
8/13 0730	OPERATIONS BRIEFING	Present Objectives Situation and Weather Work Assignments Safety Briefing	IC, OPS, Branch Directors, Team Leaders	ENSAFE Command Post
8/13 ~~0830~~ 0815	OBJECTIVES MEETING	Review/Set objectives Identify critical tasks and command emphasis	DHEC IC, EPA IC, and Information Officers	EPA Command Post
8/13 Before 1200	TACTICS MEETING	Can objectives be acheived? What new tactics needed? What new resources needed? When done? Who responsible?	Operations Section Cheif Fire Branch Dir Air Monitoring Branch Dir	ENSAFE Command Post
8/13 Shift End	PLANNING MEETING	Situation update Results of tactics meeting Changes in work assignments	IC, OPS, Branch Directors	ENSAFE Command Post
8/14 0700	OPERATIONS BRIEFING	Present Objectives Situation and Weather Work Assignments Safety Briefing	IC, OPS, Branch Directors, Team Leaders	ENSAFE Command Post

4. Special and Other Meetings:

8/13 1400	SITUATION UPDATE DUE	Provide situation update for web posting	IC DHEC and IC EPA	send to Information Officers
8/13 0800	NIGHT Data Summary Report	Provide data summary report for distribution	Air Monitoring Team Leader	send to IC EPA
8/13 2000	DAY Data Summary Report	Provide data summary report for distributoin	Air Monitoring Team Leader	send to IC EPA

5. Prepared by: (PSC) (Date / Time)

Name: Signature: 8/13/19

8/13/19

DAILY MEETING SCHEDULE **ICS 230 - EPA** *(Rev 05/15)*

Huyser, Matthew

From: National Weather Service <chs.skywarn@noaa.gov>
Sent: Tuesday, August 13, 2019 3:57 PM
Subject: Spot Forecast

FNUS72 KCHS 131957
FWSCHS

Spot Forecast for Able Contracting Fire...USEPA R4
National Weather Service Charleston SC
357 PM EDT Tue Aug 13 2019

Forecast is based on forecast start time of 1700 EDT on August 13.
If conditions become unrepresentative, contact the National Weather
Service.

.DISCUSSION...
High pressure over the region today will give way to an inland
surface trough tonight. A cold front is expected to move into the
area late Wednesday, then linger into Friday before slowly moving
offshore.

Fog potential for tonight: Low

.TONIGHT...

Sky/weather.....Partly cloudy.
Chance of pcpn.....10 percent.
Min temperature.....Around 77.
Max humidity.....97 percent.
Max apparent temp...107.
Surface winds.....South winds 6 to 9 mph early in the evening
becoming light.
Pcpn amount.....0.00 inches.
Inversion Begin.....9 PM.

TIME (EDT)	5PM	6PM	7PM	8PM	9PM	10P	11P	MID	1AM	2AM	3AM	4AM	5AM
Sky (%).....	35	34	33	31	28	26	23	29	38	45	48	47	46
Weather type....													
Tstm cov.....													
Chc of pcpn (%).	10	10	10	10	10	10	10	10	10	10	10	10	10
Temp.....	95	93	90	86	83	83	82	81	80	79	78	79	78
RH.....	53	56	64	72	80	82	85	88	91	94	97	91	94
Aparnt tmp (F)..	107	105	102	96	91	92	90	88	87	79	78	79	78
Surface wnd dir.	S	S	S	S	S	S	S	S	S	S	S	S	S
Surface wnd spd.	9	8	7	6	4	4	4	4	4	4	4	4	4
Surface wnd gst.	12	10	10										
Mix hgt (kft)...	4.0	3.0	2.1	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
Transp wind dir.	S	S	S	S	S	S	S	S	S	S	S	S	S
Transp wind spd.	8	10	10	10	6	6	6	4	4	4	4	4	4

.WEDNESDAY...

Sky/weather.....Mostly sunny. Slight chance of showers and
thunderstorms early in the afternoon. Chance of
showers and thunderstorms early in the

afternoon.
Chance of pcpn.....40 percent.
Max temperature.....Around 96.
Min humidity.....54 percent.
Max apparent temp...109.
Surface winds.....Light winds becoming south 6 to 8 mph in the late morning and afternoon.
Mixing Height.....Max 5000 ft AGL.
Transport Winds.....Light winds becoming southwest 10 to 14 mph in the late morning and afternoon.
Pcpn amount.....0.20 inches.
Inversion End.....9 AM.

TIME (EDT)	6 AM	8 AM	10 AM	NOON	2 PM	4 PM
Sky (%).....	44	36	42	48	54	61
Weather type....	NONE	NONE	NONE	RNSHWR	RNSHWR	RNSHWR
Tstm cov.....				S CHC	CHANCE	CHANCE
Chc of pcpn (%).	10	10	10	20	30	40
Temp.....	77	79	86	92	95	94
RH.....	97	94	75	60	54	56
Aparnt tmp (F)..	77	79	97	105	109	107
Surface wind....	SW 4	SW 4	SW 6	SW 7	SW 7	S 7
Surface wnd gst.				8	10	10
Mix hgt (ft)....	600	600	2200	3700	5000	5000
Transport wind..	SW 4	SW 4	SW 10	SW 10	SW 10	SW 14

.WEDNESDAY NIGHT...

Sky/weather.....Mostly cloudy. Chance of showers and thunderstorms.
Chance of pcpn.....50 percent.
Min temperature.....Around 78.
Max humidity.....94 percent.
Max apparent temp...105.
Surface winds.....South winds 6 to 8 mph in the evening becoming light.
Pcpn amount.....0.25 inches.
Inversion Begin.....9 PM.

TIME (EDT)	6 PM	9 PM	MIDNGT	3 AM
Sky (%).....	67	72	73	74
Weather type....	RNSHWR	RNSHWR	RNSHWR	RNSHWR
Tstm cov.....	CHANCE	CHANCE	CHANCE	CHANCE
Chc of pcpn (%).	40	50	40	40
Temp.....	91	83	81	79
RH.....	64	82	88	94
Aparnt tmp (F)..	105	92	88	79
Surface wind....	S 8G10	S 7G10	SW 4	SW 3G4
Mix hgt (ft)....	3400	900	900	800
Transport wind..	S 10	S 6	SW 4	SW 4

.THURSDAY...

Sky/weather.....Mostly cloudy. Chance of showers and thunderstorms early in the morning, then showers and thunderstorms likely.
Chance of pcpn.....60 percent.
Max temperature.....Around 91.
Min humidity.....64 percent.
Max apparent temp...102.
Surface winds.....Light winds becoming south around 6 mph in the afternoon.

Mixing Height.....Max 3600 ft AGL.
Transport Winds.....Light winds becoming southwest around 8 mph in the late morning and afternoon.
Pcpn amount.....0.35 inches.
Inversion End.....9 AM.

TIME (EDT)	6 AM	10 AM	2 PM
Sky (%).....	78	81	80
Weather type....	RNSHWR	RNSHWR	RNSHWR
Tstm cov.....	CHANCE	LIKELY	LIKELY
Chc of pcpn (%).	50	60	60
Temp.....	78	84	90
RH.....	94	77	64
Aparnt tmp (F)..	78	93	102
Surface wind....	SW 4	SW 4	S 6
Mix hgt (ft)....	700	2100	3600
Transport wind..	SW 4	W 8	SW 8

.FORECAST DAYS 3 THROUGH 7...
.FRIDAY...
Showers and thunderstorms likely. Lows in the mid 70s. Highs in the lower 90s. Light winds.
.SATURDAY...
Mostly cloudy. Showers and thunderstorms likely. Lows in the mid 70s. Highs around 90. Light winds.
.SUNDAY...
Mostly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs in the lower 90s. Light winds.
.MONDAY...
Mostly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs in the upper 80s.
.TUESDAY...
Mostly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs around 90.

$$
Forecaster...Stroz
Requested by...Matthew Huyser
Type of request...HAZMAT
.TAG 1913754.0/CHS
.DELDT 08/13/19
.EMAIL huyser.matthew@epa.gov

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT OBJECTIVES ICS 202 - EPA
Able Contracting Fire	From: 8/13/2019 0700 To: 8/16/2019 0700	

3. Incident Objective(s):

1) Extinguish fire and leave conditions to reduce the risk of reignition

2) Ensure health and safety of responders on-site

3) Maintain air quality monitoring and inform on-site personnel of adverse conditions

4) Establish and execute an outreach plan to notify community of response activities and air quality conditions

5) Provide for relocation of residents closest to the Site and maintain frequent communication with those residents on status and expected duration

6) Prepare for potential lead agency transition

4. Operational Period Command Emphasis. (Priorities, Key Discussions/Directions):

- Maintain communication between response partners on activities, expectations, and progress.
- Expand aggressive fire fighting operations with heavy equipment
- Water curtain worst chimneys overnight, where possible, to reduce offsite morning smoke
- Obtain analysis on ideal volume and shape of max material that can be left in the available footprint in order to achieve the goal of reducing the risk of reignition
- Obtain spanish translation services for residential relocation interviews

5. General Situation Awareness (Safety bullets, Weather, etc...):

- Wind direction, modify work zone to be upwind when possible. Heat stress awareness.
- Equipment checklist documented before work starts. Personal protection equipment (PPE) check complete as well (SCBA).
- Spotter for power lines provided by Santee Cooper.
- Traffic control for trucks, media, and workers.
- Communication with truck drivers and equipment operators while loading/moving.
- WEATHER REPORT FOR 8/15: Winds from SW in the AM shifting to S in the PM then back to SW in early morning hours. Inversion lifts at 0900 and begins at 2100. Chance of thunderstorms early in the morning with 50-60% chance rain through day. Temp 91 with max apparent temp 102

■ **Approved Site Safety Plan Located at:** Ensafe Response Trailer

6. Prepared By: (PSC)		(Date / Time)
Name:	Signature:	8/14/2019
7. Approved By (Incident Commander(s)):		(Date / Time)
Name:	Signature:	8/14/2019

1. Incident Name:	2. Operational Period: (Date / Time)	ASSIGNMENT LIST ICS 204 - EPA
Able Contracting Fire	From: 8/14/2019 0700 To: 8/15/2019 0700	

3. Branch:	4. Division/Group/Staging:
Fire Branch	

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	Carol Crooks	DHEC	(803) 315 - 0035
Branch Director:	Steven Hodskins	Ensafe	(706) 455 - 7556
Division/Group Supervisor/STAM:			

6. Resources Assigned: "X" indicates 204a attachment with additional instructions

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
Fire Safety Team	John Kinsey	(843) 991 - 0376	5		☐
Enviro Team	Bryan Snow	(843) 609 - 6681	4		☐
Equip Ops Team					☐
Safety	John Kinsey	(843) 991 - 0376	2		☐
					☐
					☐

7. Work Assignments:

Fire Safety Team - Handling all water spraying operations, hydrants, pumper truck. Conduct/oversee fire suppression activities.

Enviro/Equipment Ops Team - Use heavy equipment to move material from stockpiles. Spread material on ground. Load into trucks for off-site disposal, Adding 350 Series excavator to load trucks, removing loader. overnight monitoring of fire suppression activities.

Safety: General oversight of work activities of Fire Safety Team and Enviro/Equip Ops team and safety issues. Documentation of H&S issues, equipment checks, use of SCBAs. Conduct daily H&S meetings. Conduct onsite aire monitoring for worker safety.

8. Special Instructions:

Santee Cooper will provide on-site spotter for high voltage power lines

Mutual aid radio supplied to Fire Safety Team Leader, designation DHEC 1

VOC monitoring via detection badge will be utilized 2-3 times/week.

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager
DHEC 1	Mutual Aid Ch8 Z4		
Ops Team			

Emergency Communications:

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)
	RHS 8/14/19	

1. Incident Name:	2. Operational Period: (Date / Time)	ASSIGNMENT LIST ICS 204 - EPA
Able Contracting Fire	From: 8/15/2019 0700 To: 8/16/2019 0700	

3. Branch:	4. Division/Group/Staging:
Air Monitoring Branch	

5. Operations Personnel:

ICS Position	Name	Affiliation	Contact # (s)
Operations Section Chief:	Carol Crooks	DHEC	(803) 315 - 0035
Branch Director:	Matthew Huyser	EPA	(678) 427 - 8829
Division/Group Supervisor/STAM:			

6. Resources Assigned: "X" indicates 204a attachment with additional instructions

Strike Team/Task Force/ Resource Identifier	Leader	Contact Info. #	# of Persons	Reporting Info/Notes/Remarks	
EPA Air Team	Eric Huss	(610) 348 - 6959	7	Night: Josiah Williams (404) 542 - 6530	☐
DHEC Air Team	Keith Frost	(803) 465 - 1529			☐
					☐
					☐
					☐
					☐

7. Work Assignments:

Maintain air monitor remote data collection
Report alarm events to EPA and DHEC IC immediatelys
- VOC ≥10ppm (Ensafe/Envirosmart personnal meters will ~~low~~ alarm at 2ppm)
- CO ≥25ppm (Ensafe/Envirosmart personnal meters will ~~low~~ alarm at 12.5ppm)
- HCN ≥2.35ppm
- PM2.5 ≥0.25mg/m3

Download data at 0700 and 1900, provide data summary report within 1 hour to Air Monitoring Branch Director
Transition positions with incoming USCG Gulf Strike Team members
– PWS report by 1200, – LAP ready by 1600

8. Special Instructions:

Document and record visible smoke events to ground. Provide log of events to Air Monitoring Branch Director by 0700.
Notify UC of significant downwind smoke observations
Monitor water curtain, notify Fire Branch Director if water curtain causes excessive smoke or if visible flames are observed

9. Communications (radio and/or phone contact numbers needed for this assignment):

Name/Function	Radio: Freq./System/Channel	Phone	Cell/Pager
EPA 1	Mutual Aid Ch8 Z4		

Emergency Communications: 911

10. Prepared by: (RESL) (Date / Time)	11. Reviewed by: (PSC) (Date / Time)	12. Reviewed by: (OPS) (Date / Time)
	8/14/2019	8/14/2019

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
Able Contracting Fire	From 8/15/2019 0700 To 8/16/2019 0700	

3. Communication Contact List:

NAME	POSITION	PHONE NUMBER	AGENCY / AFFLIATION	EMAIL ADDRESS
Gary Stewart	DHEC IC	(803) 603-1511	DHEC	stewarrg@dhec.sc.gov
Carol Crooks	Ops Section Chief	(803) 315-0035	DHEC	crookscl@dhec.sc.gov
Steven Hodskins	Branch Director	(706) 455-7556	Ensafe	shodskins@ensafe.com
John Kinsey	Fire Safety Team Leader	(843) 991-0376	Envirosmart	john.kinsey@envirosmart.us
Bryan Snow	Enviro/Equip Ops Team	(843) 609-6681	Envirosmart	bryan@envirosmart.us
Keith Frost	DHEC Air Team	(803) 465-1529	DHEC	frostrk@dhec.sc.gov
Fran Marshall	SITL	803-898-9556	DHEC	marshaf2@dhec.sc.gov

4. Prepared by: 8/14/2019 (Date / Time)

Name/Position: Signature: 8/14/2019

1. Incident Name:	2. Operational Period: (Date / Time)	INCIDENT COMMUNICATIONS PLAN ICS 205A - EPA
Able Contracting Fire	From 8/13/2019 0700 To 8/16/2019 0700	

3. Communication Contact List:

NAME	POSITION	PHONE NUMBER	AGENCY / AFFLIATION	EMAIL ADDRESS
Matthew Huyser	EPA IC	(678) 427-8829	EPA	huyser.matthew@epa.gov
Courtney S. Redd	EPA Air Team Lead	(678) 656-3481	START	courtney.redd@tetratech.com
Eric Huss	EPA Air Team	(610) 348-6959	START	eric.huss@tetratech.com
Otis Halsey	EPA Staging	(678) 241-0856	Basha Services	ohalsey@bashaservices.com
Josiah Williams	EPA Air Team	(404) 542-6530	START	josiah.williams@tetratech.com
Corey Peaslee	EPA Air Team	(443) 977-7698	START	corey.peaslee@tetratech.com
Rick Hollingsworth	EPA Staging	859-333-3644	ERRS	cmcrickh@aol.com
Ronald Tolliver	EPA IO	404-852-9751	EPA CIC	tolliver.ronald@epa.gov

4. Prepared by: 8/14/2019 (Date / Time)

Name/Position: Signature: 8/14/2019

ICS 207 Organizational Chart

Incident Name:	Able Contracting Fire
Operational Period:	8/13 0700-8/14 0700
Prepared by:	
Date:	
Time:	

Unified ~~Incident~~ Commander
Gary Stewart, DHEC and Matthew Huyser, EPA

Ron Tolliver, EPA
Sandra Carrasco, DHEC
Lisa Wagner, Jasper Co

Safety Officer	John Kinsey, Envirosmart
Liaison Officer	
Information Officer	

Operations Section
OPS: Carol Crooks, DHEC
DOPS:

- Staging Area
- Fire Branch Director: Steven Hodskin
  - Fire Teal Lead: John Kinsey, Ensafe
  - Enviro Team Lead: Bryan Snow, Ensafe
  - Equipment Ops Team lead: Bryan Snow, Ensafe
  - Division Supervisor
  - Division Supervisor
- Air Mon. Branch Directo: Matthew Huyser, EPA
  - EPA Air Team: Eric Huss, START
  - DHEC Air Team
  - DHEC Air Team: Keith Frost, DHEC
  - Group Supervisor
  - Group Supervisor
  - Group Supervisor

Planning Section
PSC:
DPSC:

- Resources Unit
- Situation Unit: Fran Marshall, DHEC
- Demobilization Unit
- Documentation Unit
- Environmental Unit
- Technical Specialists: Tim Frederick, EPA
  - Toxicologist
  - Sue Cameel, ATSDR
  - Scott Reynolds, DHEC Air Division

Logistics Section
LSC:
DLSC:

- Service Branch
  - Communication Unit Leader
  - Medical Unit Leader
  - Food Unit Leader
- Support Branch
  - Facilities Unit Leader
  - Supply Unit Leader
  - Ground Support Unit Leader

Finance Section
FSC:
DFSC:

- Time Unit
- Procurement Unit
- Comp/Claims Unit
- Cost Unit

8/14/2019
8/14/2019

1. Incident Name:	2. Operational Period: (Date / Time)	DAILY MEETING/ CONFERENCE CALL SCHEDULE ICS 230 - EPA
ABLE CONTRACTING FIRE	From: 8/15/2019 0700 To: 8/16/2019 0700	

3. Meeting Schedule (Commonly-held meetings are included) :

Date/ Time	Meeting Name	Purpose	Attendees	Location
0700 ~~0700~~	OPERATIONS BRIEFING	Present Objectives Situation and Weather Work Assignments Safety Briefing	IC, OPS, Branch Directors, Team Leaders	ENSAFE Command Post
0800 ~~0830~~	OBJECTIVES MEETING	Review/Set objectives Identify critical tasks and command emphasis	DHEC IC, EPA IC, and Information Officers	EPA Command Post
Before 1200	TACTICS MEETING	Can objectives be acheived? What new tactics needed? What new resources needed? When done? Who responsible?	Operations Section Cheif Fire Branch Dir Air Monitoring Branch Dir	ENSAFE Command Post
Shift End	PLANNING MEETING	Situation update Results of tactics meeting Changes in work assignments	IC, OPS, Branch Directors	ENSAFE Command Post
0700	OPERATIONS BRIEFING	Present Objectives Situation and Weather Work Assignments Safety Briefing	IC, OPS, Branch Directors, Team Leaders	ENSAFE Command Post

4. Special and Other Meetings:

1400	SITUATION UPDATE DUE	Provide situation update for web posting	IC DHEC and IC EPA	send to Information Officers
0800	NIGHT Data Summary Report	Provide data summary report for distribution	Air Monitoring Team Leader	send to IC EPA
2000	DAY Data Summary Report	Provide data summary report for distributoin	Air Monitoring Team Leader	send to IC EPA
1030	~~Management~~ COUNTY Briefing	Provide update to DHEC and Jasper Co	DHEC IC, EPA IC, DHEC, JASPER COUNTY	See distributed conf call line

5. Prepared by: (PSC) (Date / Time)

Name:

Signature: [signature] 8/14/2019 [signature] 8/14/2019

DAILY MEETING SCHEDULE **ICS 230 - EPA** (Rev 06/18)

Huyser, Matthew

From: National Weather Service <chs.skywarn@noaa.gov>
Sent: Wednesday, August 14, 2019 3:53 PM
Subject: Spot Forecast

FNUS72 KCHS 141952
FWSCHS

Spot Forecast for Able Contracting Fire...USEPA R4
National Weather Service Charleston SC
352 PM EDT Wed Aug 14 2019

Forecast is based on forecast start time of 1600 EDT on August 14.
If conditions become unrepresentative, contact the National Weather
Service.

.DISCUSSION...
A cold front is expected to move into the area early Thursday,
then linger into Friday before slowly moving offshore late
weekend. Atlantic high pressure will then rebuild over the area
early next week.

Fog potential for tonight: Low

.TONIGHT...

Sky/weather.....Mostly cloudy. Chance of showers and
thunderstorms.
Chance of pcpn.....50 percent.
Min temperature.....Around 78.
Max humidity.....97 percent.
Max apparent temp...92.
Surface winds.....South winds 6 to 11 mph early in the evening
becoming light.
Pcpn amount.....0.15 inches.
Inversion Begin.....9 PM.

TIME (EDT)	6PM	7PM	8PM	9PM	10P	11P	MID	1AM	2AM	3AM	4AM	5AM
Sky (%).....	83	86	88	89	89	88	86	83	80	78	76	74
Weather type....	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW	RW
Tstm cov.....	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC
Chc of pcpn (%).	50	50	40	40	40	40	40	40	30	30	30	30
Temp.....	82	81	81	80	81	81	82	82	81	80	80	79
RH.....	91	94	94	97	91	91	85	85	88	91	88	91
Aparnt tmp (F)..	92	90	90	88	89	89	90	90	88	87	86	79
Surface wnd dir.	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Surface wnd spd.	11	8	6	4	4	3	3	3	3	3	3	3
Surface wnd gst.	16	12	8			4	4	4	4	4	4	4
Mix hgt (kft)...	2.4	1.6	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.5	0.6	0.7
Transp wind dir.	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW
Transp wind spd.	8	8	8	4	4	4	4	4	4	4	4	4

.THURSDAY...

Sky/weather.....Mostly cloudy. Chance of showers and
thunderstorms in the morning, then showers and

thunderstorms likely in the afternoon.
Chance of pcpn.....70 percent.
Max temperature.....Around 91.
Min humidity.....62 percent.
Max apparent temp...103.
Surface winds.....Light winds becoming south 6 to 7 mph in the late morning and afternoon.
Mixing Height.....Max 4000 ft AGL.
Transport Winds.....Light winds becoming southwest 10 to 12 mph in the late morning and afternoon.
Pcpn amount.....0.33 inches.
Inversion End.....9 AM.

TIME (EDT)	6 AM	8 AM	10 AM	NOON	2 PM	4 PM
Sky (%).....	73	73	73	74	75	76
Weather type....	RNSHWR	RNSHWR	RNSHWR	RNSHWR	RNSHWR	RNSHWR
Tstm cov.....	CHANCE	S CHC	CHANCE	CHANCE	LIKELY	LIKELY
Chc of pcpn (%).	30	20	30	40	60	70
Temp.....	79	80	84	89	91	89
RH.....	91	85	77	66	62	66
Aparnt tmp (F)..	79	85	93	100	103	100
Surface wind....	SW 3	SW 4	SW 6	SW 6	S 6	S 7
Surface wnd gst.	4					10
Mix hgt (ft)....	700	800	2000	3000	4000	3500
Transport wind..	SW 4	SW 4	SW 10	SW 10	SW 10	SW 12

.THURSDAY NIGHT...

Sky/weather.....Mostly cloudy. Showers and thunderstorms likely early in the evening, then chance of showers and thunderstorms.
Chance of pcpn.....60 percent.
Min temperature.....Around 76.
Max humidity.....97 percent.
Max apparent temp...98.
Surface winds.....South winds 6 to 7 mph in the evening becoming light.
Pcpn amount.....0.19 inches.
Inversion Begin.....9 PM.

TIME (EDT)	6 PM	9 PM	MIDNGT	3 AM
Sky (%).....	79	80	79	78
Weather type....	RNSHWR	RNSHWR	RNSHWR	RNSHWR
Tstm cov.....	LIKELY	CHANCE	CHANCE	CHANCE
Chc of pcpn (%).	60	40	40	30
Temp.....	87	80	78	78
RH.....	70	88	91	91
Aparnt tmp (F)..	98	86	78	78
Surface wind....	S 7G10	S 6	SW 4	SW 3G4
Mix hgt (ft)....	2600	800	600	500
Transport wind..	S 12	S 6	SW 4	SW 4

.FRIDAY...

Sky/weather.....Mostly cloudy. Chance of showers and thunderstorms until late afternoon, then showers and thunderstorms likely early in the afternoon.
Chance of pcpn.....70 percent.
Max temperature.....Around 88.
Min humidity.....63 percent.
Max apparent temp...97.

Surface winds.....Light winds becoming south around 6 mph in the afternoon.
Mixing Height.....Max 4100 ft AGL.
Transport Winds.....Light winds becoming south around 8 mph in the late morning and afternoon.
Pcpn amount.....0.23 inches.
Inversion End.....9 AM.

TIME (EDT)	6 AM	10 AM	2 PM
Sky (%).....	78	79	80
Weather type....	RNSHWR	RNSHWR	RNSHWR
Tstm cov.....	CHANCE	CHANCE	LIKELY
Chc of pcpn (%).	30	50	70
Temp.....	76	81	87
RH.....	97	82	65
Aparnt tmp (F)..	76	87	95
Surface wind....	SW 3G4	SW 4	S 6
Mix hgt (ft)....	600	1900	4100
Transport wind..	SW 4	SW 8	S 8

.FORECAST DAYS 3 THROUGH 7...
.SATURDAY...
Mostly cloudy. Showers and thunderstorms likely. Lows in the mid 70s. Highs in the upper 80s. Light winds.
.SUNDAY...
Mostly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs in the lower 90s. Light winds.
.MONDAY...
Mostly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs in the lower 90s. Light winds.
.TUESDAY...
Mostly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs around 90.
.WEDNESDAY...
Partly cloudy. Chance of showers and thunderstorms. Lows in the mid 70s. Highs in the lower 90s.

$$
Forecaster...Stroz
Requested by...Matthew Huyser
Type of request...HAZMAT
.TAG 1913814.0/CHS
.DELDT 08/14/19
.EMAIL huyser.matthew@epa.gov

UNITED STATES ENVIRONMENTAL PROTECT
REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

7/26/19

SUBJ: Notice of Federal Interest

Dear [redacted]:

The purpose of this letter is to inform you that a release or thre
substances, pollutants or contaminants for which you may be respons
occur at the following location:

472 Schinger Ave, Ridgeland, SC 2993

The United States Environmental Protection Agency (EPA) has an in
conclude that a removal action is necessary to clean up or contain the
action that may be necessary to monitor, assess, and evaluate the rele
substances, pollutants or contaminants and includes physical removal

If liable parties decline the opportunity to take appropriate act
that liable parties cannot perform the removal action promptly and pr
the removal action itself. If EPA conducts the removal action, liable p
financially responsible for costs incurred by the EPA as set forth in S

You are strongly encouraged to contact an attorney who can a
responsibilities under CERCLA. Should you require further informat
please contact the On-Scene Coordinator by telephone at (~~404) 562-8~~
address below.
678-644.

~~Kevin Eichinge~~r Jordan Gorrord
On-Scene Coordinator
U.S. Environmental Protection Agency
Region 4
ERRB
61 Forsyth Street S.W.
Atlanta, Georgia 30303

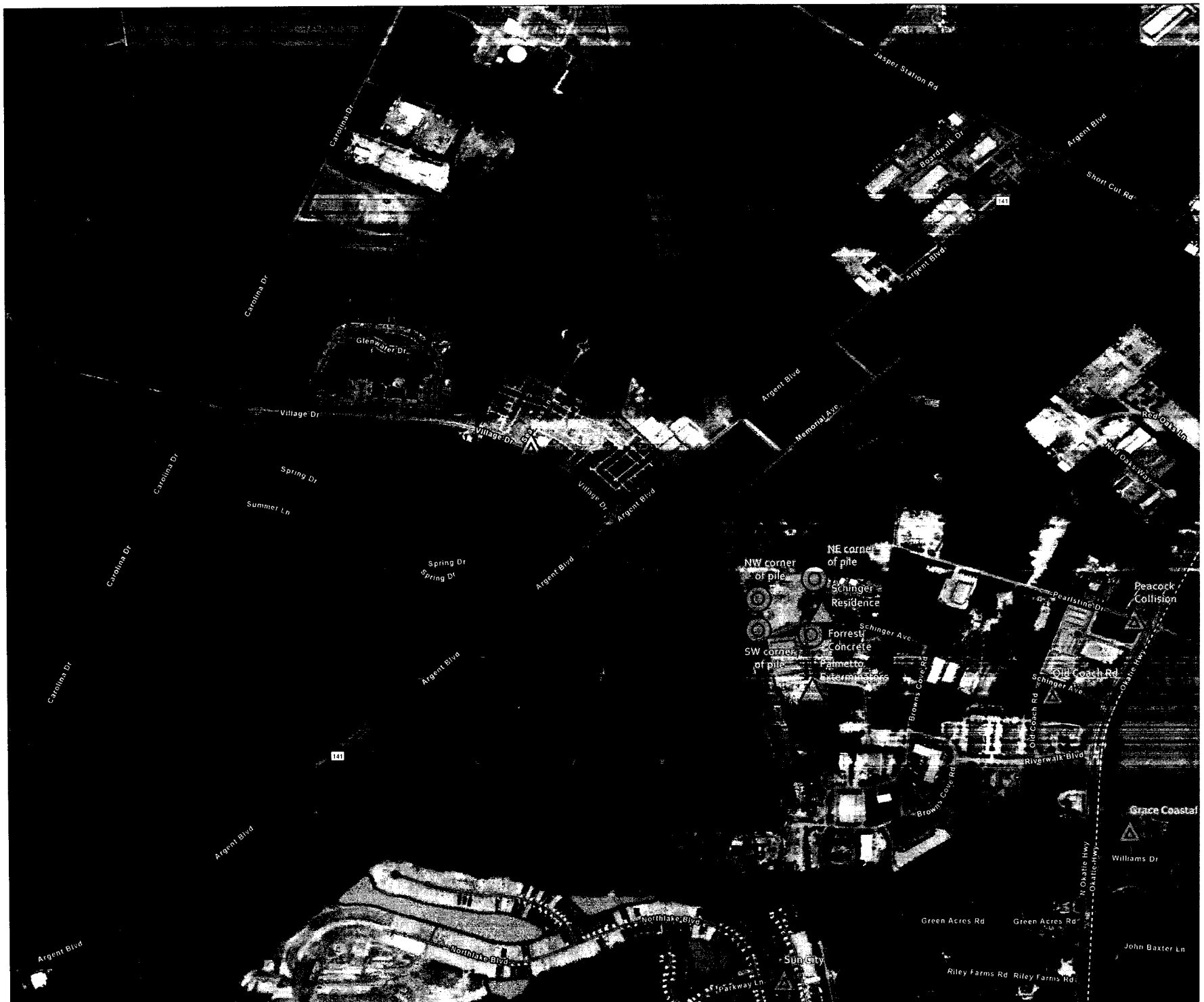
Sincerely,

~~Kevin Eichin~~ger Jorc
On-Scene Coordinator

Receipt and Acknowledgment:

(b)(6) Personal Privacy
[redacted]

Received by: Date:


Jasper Station Rd
Carolina Dr
Boardwalk Dr
Argent Blvd
Short Cut Rd
141
Glenwater Dr
Village Dr
Memorial Ave
Red Oaks Ln
Red Oaks Way
Spring Dr
Summer Ln
NW corner of pile
NE corner of pile
Schinger Residence
Pearlstine Dr
Peacock Collision
Schinger Ave
Forrest Concrete
SW corner of pile
Palmetto Exterminators
Browns Cove Rd
Old Coach Rd
Riverwalk Blvd
Okatie Hwy
Grace Coastal
Williams Dr
N Okatie Hwy
Green Acres Rd
John Baxter Ln
Riley Farms Rd
Northlake Blvd
Sun City
Parkway Ln

SURFACE WATER RESULTS SUMMARY TABLE
DETECTIONS ONLY
ABLE CONTRACTING FIRE

Parameter	MCL/RSL [1]	DHEC (max/cont) /EPA (chr/acute) [2]	ACF-SW-POND
	Groundwate	Surface Water	
Metals (µg/L)			
Aluminum	*2,000*	*87/750*	251
Antimony	6	*190/900*	32.3
Arsenic	10	340/150	493
Barium	2,000	*220/2,000*	133
Cadmium	5	0.53/0.10	3.6
Calcium	NL	*116,000/NL*	725,000
Chromium	100	580/28	148
Copper	1,300	3.8/2.9	20.2
Iron	*1,400*	*1,000/NL*	300
Lead	15	14/0.54	5.0 U
Magnesium	NL	*82,000/NL*	48,900
Manganese	*48*	*93/1,680*	526
Nickel	*40*	150/16	30.5
Potassium	NL	*53,000/NL*	75,300
Sodium	NL	*680,000/NL*	248,000
Vanadium	NL	*27/79*	22.7
Zinc	*600*	37/37	24.4
Volatile Organic Compounds (µg/L)			
1,2-Dichloroethane	5	*2,000/8,200*	0.55 J
2-Butanone (MEK)	*1,200*	*22,000/200,000*	43.2 J+
2-Hexanone	*10*	*99/1,800*	5.0 U
4-Methyl-2-pentanone (MIBK)	*630*	*170/2,200*	5.0 U
Acetone	*1,800*	*1,700/15,000*	269 J+
Benzene	5	*160/700*	21.4
Chloromethane	*19*	NL	1.8
Ethylbenzene	700	*61/550*	6.0
m&p-Xylene	*400*	*27/240*	1.8 J
Naphthalene	*40*	*21/170*	2.3
o-Xylene	*400*	*27/240*	1.1
Toluene	1,000	*62/560*	10.5
Xylene (Total)	10,000	*27/240*	1.1
Semivolatile Organic Compounds (µg/L)			
2,4-Dimethylphenol	*40*	*15/140*	6.0 J
2-Methylphenol(o-Cresol)	*100*	*67/600*	11.1
3&4-Methylphenol(m&p Cresol)	*200*	*62/560*	7.9 J
Phenol	*580*	*160/4,700*	9.8 UJ

Notes:

[1] Drinking water values are compared to EPA MCLs. When an MCL is not listed, the EPA RSL is

[2] Surface water values are compared to DHEC Freshwater Aquatic Life levels. When DHEC levels are not listed, EPA Surface Water Screening Values are used

SHAD Reported value exceeds the comparison criteria

Acute Acute exposure

Chr Chronic exposure

Cont Continuous exposure

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, biased high.

J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, biased low.

Max Maximum exposure level

MCL Maximum contaminant level

NL Not listed

RSL Regional Screening Level; Tapwater TR=1E-06, THQ=0.1

U The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).

UJ The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is estimated.

µg/L micrograms per liter

SURFACE WATER RESULTS SUMMARY TABLE
DETECTIONS ONLY
ABLE CONTRACTING FIRE

Parameter	MCL/RSL[1]	ACF-GW-472R		DHEC (acute/cont) /EPA (chr/acute)[2]	ACF-SW-DITCH	ACF-SW-POND
	Groundwater			Surface Water		
Metals (µg/L)						
Aluminum	*2,000*	100 U		*87/750*	527	251
Antimony	6	5.0 U		*190/900*	61.0	32.3
Arsenic	10	10.0 U		340/150	554	493
Barium	2,000	5.7		*220/2,000*	175	133
Cadmium	5	1.0 U		0.53/0.10	4.3	3.6
Calcium	NL	27,200		*116,000/NL*	904,000	725,000
Chromium	100	5.0 U		580/28	191	148
Copper	1,300	27.6		3.8/2.9	38.1	20.2
Iron	*1,400*	50.0 U		*1,000/NL*	1,070	300
Lead	15	5.0 U		14/0.54	3.0 J	5.0 U
Magnesium	NL	9,370		*82,000/NL*	83,100	48,900
Manganese	*48*	21.8		*93/1,680*	820	526
Nickel	*40*	2.6 J		150/16	43.2	30.5
Potassium	NL	2,760 J		*53,000/NL*	112,000	75,300
Sodium	NL	10,600		*680,000/NL*	430,000	248,000
Vanadium	NL	5.0 U		*27/79*	36.4	22.7
Zinc	*600*	130		37/37	72.7	24.4
Volatile Organic Compounds (µg/L)						
1,2-Dichloroethane	5	1.0 U		*2,000/8,200*	0.83 J	0.55 J
2-Butanone (MEK)	*1,200*	5.0 U		*22,000/200,000*	71.6	43.2 J+
2-Hexanone	*10*	5.0 U		*99/1,800*	3.5 J	5.0 U
4-Methyl-2-pentanone (MIBK)	*630*	5.0 U		*170/2,200*	9.4 J	5.0 U
Acetone	*1,800*	25.0 U		*1,700/15,000*	325	269 J+
Benzene	5	1.0 U		*160/700*	29.7	21.4
Chloromethane	*19*	0.69 J		NL	2.0 U	1.8
Ethylbenzene	700	1.0 U		*61/550*	6.2	6.0
m&p-Xylene	*400*	2.0 U		*27/240*	2.4 J	1.8 J
Naphthalene	*40*	1.0 U		*21/170*	3.9	2.3
o-Xylene	*400*	1.0 U		*27/240*	1.6 J	1.1
Toluene	1,000	1.0 U		*62/560*	14.5	10.5
Xylene (Total)	10,000	1.0 U		*27/240*	2.0 U	1.1
Semivolatile Organic Compounds (µg/L)						
2,4-Dimethylphenol	*40*	100 U		*15/140*	108 J-	6.0 J
2-Methylphenol(o-Cresol)	*100*	100 U		*67/600*	137 J-	11.1
3&4-Methylphenol(m&p Cresol)	*200*	100 U		*62/560*	82.9 J-	7.9 J
Phenol	*580*	100 UJ		*160/4,700*	67.8 J-	9.8 UJ

Notes:

1 Drinking water values are compared to EPA MCLs. When an MCL is not listed, the EPA RSL is used

2 Surface water values are compared to DHEC Freshwater Aquatic Life levels. When DHEC levels are not listed, EPA Surface Water Screening Values are used

SHAD Reported value exceeds the comparison criteria

Acute Acute exposure

Chr Chronic exposure

Cont Continuous exposure

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, biased high.

J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, biased low.

Max Maximum exposure level

MCL Maximum contaminant level

NL Not listed

RSL Regional Screening Level; Tapwater TR=1E-06, THQ=0.1

U The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).

SURFACE WATER RESULTS SUMMARY TABLE
DETECTIONS ONLY
ABLE CONTRACTING FIRE

UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is estimated.
µg/L	micrograms per liter

TETRA TECH

DATA VALIDATION CHECKLIST – STAGE 2A

Site Name	Able Contracting Fire	**Project No.**	103X902701128
Technical Reviewer (signature and date)	Jessica A. Vickers August 8, 2019	**Laboratory/Report No.**	Enthalpy Analytical/0719-205
Analyses	Volatile organic compounds by EPA Method TO-15, semivolatile organic compounds by SW-846 Method 8270D, formaldehyde by EPA Method TO-11, and phosgene by OSHA Method 61		
Samples	ACF-AS-Bkgd-072819, ACF-AS-RES-AM-072719, ACF-AS-RES-PM-072719, ACF-AS-Smoke-AM-072719, and ACF-AS-Smoke-PM-072719		
Field Duplicate Pairs	NA		
Field Blanks	ACF-Blank		

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (January 2017) data validation guidance document, as well as the above referenced methods.

OVERALL EVALUATION:

No rejection of data was required for this data package. The data can be used with the qualifications indicated in this checklist.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	

1955 Evergreen Blvd., Ste. 300, Duluth, GA 30096
Tel 678.775.3080 Fax 678.775.3138
www.tetratech.com

TETRA TECH

DATA VALIDATION CHECKLIST – STAGE 2A

Method blanks:

Within Criteria	Exceedance/Notes
N	Humid Blank #0702: acetone = 0.114 µg/m^3, carbon disulfide = 0.137 µg/m^3, and methylene chloride = 0.166 µg/m^3 – raise to RL and flag "U" for carbon disulfide in ACF-AS-Bkgd; flag "J+" for remaining positive carbon disulfide and methylene chloride results HPLCPrep3581.MB: formaldehyde = 0.014 µg/mL – raise to RL and flag "U" for ACF-Blank GCPREP2953 #MB: phosgene = 0.765 µg/mL – raise to RL and flag "U" for all samples

Field blanks:

Within Criteria	Exceedance/Notes
N	ACF-Blank: methylene chloride = 0.160 µg/m^3 and phosgene = 1.61 µg/mL – flag "J+" for methylene chloride and raise to RL and flag "U" for phosgene for all field samples

Internal standards:

Within Criteria	Exceedance/Notes
Y	

MS/MSDs:

Within Criteria	Exceedance/Notes
NA	

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DATA VALIDATION CHECKLIST – STAGE 2A

Laboratory duplicates:

Within Criteria	Exceedance/Notes
Y	

Field duplicates:

Within Criteria	Exceedance/Notes
NA	

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

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DATA VALIDATION CHECKLIST – STAGE 2A

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	Results between method detection limit and reporting limit – flagged "J" by laboratory

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

1955 Evergreen Blvd., Ste. 300, Duluth, GA 30096
Tel 678.775.3080 Fax 678.775.3138
www.tetratech.com

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-Bkgd-072819
Sample Info	: 0719-205; Can #0808; 500mL load
Data File	: X1902706.D
Dilution	: 1
Pressurization Factor	: 1.787
Acquisition Date	: 2019-07-30 02:41:12
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	1.69	0.0685	0.0625	2.91	0.118	0.108	
Freon 12 (CCl2F2)	0.470	0.0698	0.0625	2.33	0.345	0.309	
Freon 114 (C2Cl2F4)	ND	0.0716	0.0625	~~ND~~	0.500 U	0.437	
Chloromethane	0.596	0.0697	0.0625	1.23	0.144	0.129	
Chloroethene (Vinyl chloride)	ND	0.0719	0.0625	~~ND~~	0.184 U	0.160	
1,3-Butadiene	0.339	0.0698	0.0625	0.749	0.154	0.138	
Bromomethane	ND	0.0707	0.0625	ND	0.275 U	0.243	
Chloroethane	ND	0.0721	0.0625	ND	0.190	0.165	
Bromoethene (Vinyl bromide)	ND	0.0713	0.0625	ND	0.312	0.274	
Freon 11 (CCl3F)	0.211	0.0742	0.0625	1.18	0.417	0.351	
Ethanol	8.84	0.179	0.179	16.7	0.337	0.337	
Acrolein	0.109	0.0710	0.0625	0.250	0.163	0.143	m
Freon 113 (C2Cl3F3)	0.0723	0.0711	0.0625	0.554	0.545	0.479	
1,1-Dichloroethene	ND	0.0716	0.0625	~~ND~~	0.284 U	0.248	
Acetone	5.05	0.0718	0.0625	12.0	0.171	0.149	
Carbon disulfide	0.0687	0.0718	0.0625	~~0.214~~ J+	0.223 U	0.195	m J
Isopropyl alcohol	0.164	0.0718	0.0625	0.404	0.176	0.154	
Allyl chloride (3-chloropropene)	ND	0.0719	0.0625	~~ND~~	0.225 U	0.196	
Acetonitrile	1.10	0.0718	0.0625	1.85	0.121	0.105	
Methylene chloride	0.199	0.0724	0.0625	0.691 J+	0.251	0.217	
trans-1,2-Dichloroethene	ND	0.0728	0.0625	ND	0.289 U	0.248	
Methyl tert-butyl ether	ND	0.0732	0.0625	ND	0.264	0.225	
Acrylonitrile	ND	0.0731	0.0625	ND	0.159	0.136	
Hexane	1.15	0.0723	0.0625	4.05	0.255	0.220	
1,1-Dichloroethane	ND	0.0704	0.0625	ND	0.285 U	0.253	
Vinyl acetate	ND	0.0727	0.0625	ND	0.256	0.220	
cis-1,2-Dichloroethene	ND	0.0720	0.0625	ND	0.285	0.248	
Methyl ethyl ketone (2-Butanone)	0.345	0.0726	0.0625	1.02	0.214	0.184	m
Ethyl acetate	ND	0.0720	0.0625	ND	0.259 U	0.225	
Chloroform	ND	0.0723	0.0625	ND	0.353	0.305	
Tetrahydrofuran	ND	0.0721	0.0625	ND	0.213	0.184	
1,1,1-Trichloroethane	ND	0.0711	0.0625	ND	0.388	0.341	
Cyclohexane	0.290	0.0727	0.0625	0.999	0.250	0.215	m
Carbon tetrachloride	0.0765	0.0723	0.0625	0.481	0.455	0.393	
Benzene	0.789	0.0713	0.0625	2.52	0.228	0.200	
2,2,4-trimethylpentane	0.454	0.0733	0.0625	2.12	0.342	0.292	
1,2-Dichloroethane	ND	0.0731	0.0625	~~ND~~	0.296 U	0.253	
Heptane	0.551	0.0718	0.0625	2.26	0.294	0.256	
Trichloroethene	ND	0.0718	0.0625	ND	0.386 U	0.336	
1,2-Dichloropropane	ND	0.0731	0.0625	ND	0.338	0.289	
Methyl methacrylate	ND	0.0741	0.0625	ND	0.304	0.256	
1,4-Dioxane	0.0890	0.0723	0.0625	0.321	0.260	0.225	
Bromodichloromethane	ND	0.0710	0.0625	ND	0.476 U	0.419	
cis-1,3-Dichloropropene	ND	0.0703	0.0625	ND	0.319	0.284	
Methyl isobutyl ketone	ND	0.0737	0.0625	ND	0.302	0.256	
Toluene	2.61	0.0726	0.0625	9.82	0.274	0.236	
trans-1,3-Dichloropropene	ND	0.0726	0.0625	ND	0.330 U	0.284	
1,1,2-Trichloroethane	ND	0.0716	0.0625	ND	0.391	0.341	
Tetrachloroethene	ND	0.0721	0.0625	ND	0.489	0.424	
2-Hexanone (Methyl butyl ketone)	ND	0.0726	0.0625	ND	0.298	0.256	
Dibromochloromethane	ND	0.0706	0.0625	ND	0.601	0.533	
1,2-Dibromoethane	ND	0.0724	0.0625	ND	0.556	0.481	
Chlorobenzene	ND	0.0736	0.0625	ND	0.339	0.288	
Ethylbenzene	0.478	0.0703	0.0625	2.07	0.305	0.272	
1,1,1,2-Tetrachloroethane	ND	0.0715	0.0625	~~ND~~	0.491 U	0.429	
m-/p-Xylenes	1.58	0.0724	0.0625	6.86	0.314	0.272	

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08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-Bkgd-072819
Sample Info	: 0719-205; Can #0808; 500mL load
Data File	: X1902706.D
Dilution	: 1
Pressurization Factor	: 1.787
Acquisition Date	: 2019-07-30 02:41:12
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.634	0.0714	0.0625	2.75	0.310	0.272	
Styrene	0.0818	0.0696	0.0625	0.348	0.297	0.266	
Bromoform	ND	0.0718	0.0625	ND	0.742 U	0.647	
1,1,2,2-Tetrachloroethane	ND	0.0715	0.0625	ND	0.491 U	0.429	
4-Ethyltoluene	0.186	0.0720	0.0625	0.913	0.354	0.307	m
2-Chlorotoluene	ND	0.0720	0.0625	ND	0.373 U	0.324	
1,3,5-Trimethylbenzene	0.183	0.0717	0.0625	0.898	0.352	0.307	
1,2,4-Trimethylbenzene	0.657	0.0711	0.0625	3.23	0.349	0.307	m
1,3-Dichlorobenzene	ND	0.0721	0.0625	ND	0.434 U	0.376	
1,4-Dichlorobenzene	ND	0.0717	0.0625	ND	0.431	0.376	
Benzyl chloride	ND	0.0713	0.0625	ND	0.369	0.324	
1,2-Dichlorobenzene	ND	0.0728	0.0625	ND	0.438	0.376	
1,2,4-Trichlorobenzene	ND	0.0726	0.0625	ND	0.538	0.464	
Hexachlorobutadiene	ND	0.0716	0.0625	ND	0.764	0.667	
Naphthalene	0.0642	0.0740	0.0625	0.336 J	0.388	0.328	J
1-Bromopropane	ND	0.0706	0.0625	ND	0.355 U	0.315	
1-Octene	ND	0.0699	0.0625	ND	0.321 U	0.287	
n-Octane	0.212	0.0716	0.0625	0.990	0.335	0.292	m
Isopropylbenzene	ND	0.0726	0.0625	ND	0.357 U	0.307	
n-Propylbenzene	0.128	0.0727	0.0625	0.629	0.357	0.307	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	953,670	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	3,452,164	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,804,962	17.86	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-BKGD-072819
Sample Info	: 0719-205
Data File	: W1900510.D
Dilution	: 1
Extract Volume	: 5.00
Acquisition Date	: 2019-07-31 18:25:14
Instrument Method	: RXI-M8270.M
Matrix	: LIQUID

Air Sampling Volume (L): 439.4

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
N-Nitrosodimethylamine	0.772	ND	3.86	ND	8.78	ND	
Pyridine	1.50	ND	7.50	ND	17.1	ND	
Phenol (CCC)	0.649	ND	3.25	ND	7.39	ND	
Aniline	0.694	ND	3.47	ND	7.90	ND	
bis(2-Chloroethyl)ether	0.788	ND	3.94	ND	8.97	ND	
2-Chlorophenol	0.624	ND	3.12	ND	7.10	ND	
1,3-Dichlorobenzene	0.558	ND	2.79	ND	6.35	ND	
1,4-Dichlorobenzene (CCC)	0.528	ND	2.64	ND	6.01	ND	
Benzyl alcohol	0.700	ND	3.50	ND	7.97	ND	
1,2-Dichlorobenzene	0.558	ND	2.79	ND	6.35	ND	
2-Methylphenol	0.677	ND	3.39	ND	7.70	ND	
bis(2-Chloroisopropyl) ether	0.982	ND	4.91	ND	11.2	ND	
3/4-Methylphenol	0.591	ND	2.96	ND	6.73	ND	
N-Nitroso-di-n-propylamine (SPCC)	0.832	ND	4.16	ND	9.47	ND	
o-Toluidine	5.00	ND	25.0	ND	56.9	ND	
Hexachloroethane	0.632	ND	3.16	ND	7.19	ND	
Nitrobenzene	0.816	ND	4.08	ND	9.29	ND	
Isophorone	0.748	ND	3.74	ND	8.51	ND	
2,4-Dimethylphenol	0.729	ND	3.65	ND	8.30	ND	
2-Nitrophenol (CCC)	0.669	ND	3.35	ND	7.61	ND	
Benzoic acid	5.00	ND	25.0	ND	56.9	ND	
bis(2-Chloroethoxy)methane	0.732	ND	3.66	ND	8.33	ND	
2,4-Dichlorophenol (CCC)	0.652	ND	3.26	ND	7.42	ND	
a,a-Dimethylphenethylamine	5.00	ND	25.0	ND	56.9	ND	
1,2,4-Trichlorobenzene	0.617	ND	3.09	ND	7.02	ND	
Naphthalene	0.665	ND	3.33	ND	7.57	ND	
4-Chloroaniline	0.849	ND	4.25	ND	9.66	ND	
Hexachlorobutadiene (CCC)	0.609	ND	3.05	ND	6.93	ND	
Quinoline	1.00	ND	5.00	ND	11.4	ND	
1,4-Phenylenediamine	5.00	ND	25.0	ND	56.9	ND	
4-Chloro-3 methylphenol (CCC)	0.661	ND	3.31	ND	7.52	ND	
2-Methylnaphthalene	0.618	ND	3.09	ND	7.03	ND	
1-Methylnaphthalene	0.613	ND	3.07	ND	6.98	ND	
Hexachlorocyclopentadiene (SPCC)	8.12	ND	40.6	ND	92.4	ND	
2,4,6-Trichlorophenol (CCC)	0.738	ND	3.69	ND	8.40	ND	
2,4,5-Trichlorophenol	0.541	ND	2.71	ND	6.16	ND	
Biphenyl	5.00	ND	25.0	ND	56.9	ND	
2-Chloronaphthalene	0.652	ND	3.26	ND	7.42	ND	
2-Nitroaniline	0.966	ND	4.83	ND	11.0	ND	
1,4-Dinitrobenzene	0.672	ND	3.36	ND	7.65	ND	
Dimethylphthalate	0.809	ND	4.05	ND	9.21	ND	
1,3-Dinitrobenzene	0.819	ND	4.10	ND	9.32	ND	
2,6-Dinitrotoluene	0.775	ND	3.88	ND	8.82	ND	
1,2-Dinitrobenzene	0.777	ND	3.89	ND	8.84	ND	
Acenaphthylene	0.675	ND	3.38	ND	7.68	ND	
3-Nitroaniline	0.816	ND	4.08	ND	9.29	ND	
Acenaphthene (CCC)	0.934	ND	4.67	ND	10.6	ND	
2,4-Dinitrophenol (SPCC)	5.00	ND	25.0	ND	56.9	ND	
4-Nitrophenol (SPCC)	5.00	ND	25.0	ND	56.9	ND	
2,4-Dinitrotoluene	0.804	ND	4.02	ND	9.15	ND	

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08/08/19

Quantitation Report

Enthalpy Analytical, LLC

Sample Name : ACF-AS-BKGD-072819
Sample Info : 0719-205
Data File : W1900510.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 18:25:14
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 439.4

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
Dibenzofuran	0.688	ND	3.44	ND	7.83 u	ND	
2,3,5,6-Tetrachlorophenol	0.761	ND	3.81	ND	8.66	ND	
2,3,4,6-Tetrachlorophenol	0.701	ND	3.51	ND	7.98	ND	
Diethlyphthalate	1.02	ND	5.10	ND	11.6	ND	
4-Chlorophenyl-phenylether	0.754	ND	3.77	ND	8.58	ND	
Fluorene	0.783	ND	3.92	ND	8.91	ND	
4-Nitroaniline	0.694	ND	3.47	ND	7.90	ND	
4,6-Dinitro2-methylphenol	5.00	ND	25.0	ND	56.9	ND	
N-Nitrosodiphenylamine (CCC)	0.716	ND	3.58	ND	8.15	ND	
Azobenzene	0.991	ND	4.96	ND	11.3	ND	
4-Bromophenyl-phenylether	0.671	ND	3.36	ND	7.64	ND	
Hexachlorobenzene	0.546	ND	2.73	ND	6.21	ND	
Pentachlorophenol (CCC)	5.00	ND	25.0	ND	56.9	ND	
Phenanthrene	0.771	ND	3.86	ND	8.77	ND	
Anthracene	0.760	ND	3.80	ND	8.65	ND	
Carbazole	0.705	ND	3.53	ND	8.02	ND	
Di-n-butylphthalate	1.04	ND	5.20	ND	11.8	ND	
Fluoranthene (CCC)	0.919	ND	4.60	ND	10.5	ND	
Benzidine	22.8	ND	114	ND	259	ND	
Pyrene	0.937	ND	4.69	ND	10.7	ND	
4-Dimethylaminoazobenzene	5.00	ND	25.0	ND	56.9	ND	
Butylbenzylphthalate	0.810	ND	4.05	ND	9.22	ND	
3,3-Dimethylbenzidine	10.8	ND	54.0	ND	123	ND	
bis(2-Ethylhexyl)adipate	0.874	ND	4.37	ND	9.95	ND	
3,3-Dimethoxybenzidine	5.00	ND	25.0	ND	56.9	ND	
bis(2-Ethylhexyl)phthalate	1.74	ND	8.70	ND	19.8	ND	
3,3'-Dichlorobenzidine	5.00	ND	25.0	ND	56.9	ND	
Benzo(a)anthracene	0.550	ND	2.75	ND	6.26	ND	
Chrysene	0.556	ND	2.78	ND	6.33	ND	
Di-n-octylphthalate (CCC)	0.644	ND	3.22	ND	7.33	ND	
7,12-Dimethylbenz(a)anthracene	5.00	ND	25.0	ND	56.9	ND	
Benzo(b)fluoranthene	0.300	ND	1.50	ND	3.41	ND	
Benzo(k)fluoranthene	0.356	ND	1.78	ND	4.05	ND	
Benzo(e)pyrene	0.340	ND	1.70	ND	3.87	ND	
Benzo(a)pyrene (CCC)	0.340	ND	1.70	ND	3.87	ND	
Perylene	0.340	ND	1.70	ND	3.87	ND	
3-Methylcholanthrene	5.00	ND	25.0	ND	56.9	ND	
Indeno(1,2,3-cd)pyrene	0.300	ND	1.50	ND	3.41	ND	
Dibenz(a,h)anthracene	0.425	ND	2.13	ND	4.84	ND	
Benzo(g,h,i)perylene	0.352	ND	1.76	ND	4.01	ND	
Dibenzo(a,e)pyrene	5.00	ND	25.0	ND	56.9	ND	

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**

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08/08/19

Sample Name : ACF-AS-RES-AM-072719
Sample Info : 0719-205; Can #0802; 500mL load
Data File : X1902708.D
Dilution : 1
Pressurization Factor : 1.795
Acquisition Date : 2019-07-30 04:33:30
Instrument Method : TO15-SCN.M
Matrix : AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	4.58	0.0689	0.0628	7.88	0.119	0.108	
Freon 12 (CCl2F2)	0.485	0.0701	0.0628	2.40	0.347	0.311	
Freon 114 (C2Cl2F4)	ND	0.0719	0.0628	~~ND~~	0.502 U	0.439	
Chloromethane	2.31	0.0700	0.0628	4.76	0.145	0.130	
Chloroethene (Vinyl chloride)	ND	0.0722	0.0628	~~ND~~	0.185 U	0.161	
1,3-Butadiene	0.480	0.0701	0.0628	1.06	0.155	0.139	
Bromomethane	ND	0.0710	0.0628	~~ND~~	0.276 U	0.244	
Chloroethane	ND	0.0724	0.0628	ND	0.191	0.166	
Bromoethene (Vinyl bromide)	ND	0.0716	0.0628	ND	0.313	0.275	
Freon 11 (CCl3F)	0.246	0.0745	0.0628	1.38	0.419	0.353	
Ethanol	2.27	0.180	0.180	4.28	0.338	0.338	
Acrolein	0.214	0.0713	0.0628	0.490	0.163	0.144	
Freon 113 (C2Cl3F3)	0.0862	0.0714	0.0628	0.660	0.547	0.481	
1,1-Dichloroethene	ND	0.0719	0.0628	~~ND~~	0.285 U	0.249	
Acetone	3.64	0.0722	0.0628	8.66	0.171	0.149	
Carbon disulfide	0.165	0.0721	0.0628	0.514 J+	0.224	0.196	
Isopropyl alcohol	0.190	0.0721	0.0628	0.468	0.177	0.154	
Allyl chloride (3-chloropropene)	ND	0.0722	0.0628	~~ND~~	0.226 U	0.197	
Acetonitrile	1.29	0.0722	0.0628	2.17	0.121	0.105	
Methylene chloride	0.251	0.0727	0.0628	0.871 J+	0.253	0.218	
trans-1,2-Dichloroethene	ND	0.0732	0.0628	~~ND~~	0.290 U	0.249	
Methyl tert-butyl ether	ND	0.0735	0.0628	~~ND~~	0.265	0.226	
Acrylonitrile	ND	0.0734	0.0628	~~ND~~	0.159	0.136	
Hexane	0.439	0.0726	0.0628	1.55	0.256	0.221	
1,1-Dichloroethane	ND	0.0707	0.0628	~~ND~~	0.286 U	0.254	
Vinyl acetate	ND	0.0730	0.0628	~~ND~~	0.257	0.221	
cis-1,2-Dichloroethene	ND	0.0723	0.0628	~~ND~~	0.287	0.249	
Methyl ethyl ketone (2-Butanone)	0.287	0.0729	0.0628	0.847	0.215	0.185	
Ethyl acetate	ND	0.0723	0.0628	~~ND~~	0.261 U	0.226	
Chloroform	ND	0.0726	0.0628	~~ND~~	0.354 U	0.307	
Tetrahydrofuran	0.160	0.0724	0.0628	0.472	0.214	0.185	
1,1,1-Trichloroethane	ND	0.0714	0.0628	~~ND~~	0.390 U	0.343	
Cyclohexane	0.0760	0.0730	0.0628	0.262	0.251	0.216	
Carbon tetrachloride	0.0766	0.0727	0.0628	0.482	0.457	0.395	
Benzene	2.02	0.0717	0.0628	6.46	0.229	0.201	
2,2,4-trimethylpentane	0.147	0.0736	0.0628	0.684	0.344	0.294	
1,2-Dichloroethane	ND	0.0734	0.0628	~~ND~~	0.297 U	0.254	
Heptane	0.188	0.0722	0.0628	0.769	0.296	0.257	
Trichloroethene	ND	0.0721	0.0628	~~ND~~	0.387 U	0.338	
1,2-Dichloropropane	ND	0.0734	0.0628	~~ND~~	0.339	0.290	
Methyl methacrylate	ND	0.0745	0.0628	~~ND~~	0.305	0.257	
1,4-Dioxane	0.0815	0.0726	0.0628	0.294	0.262	0.226	
Bromodichloromethane	ND	0.0713	0.0628	~~ND~~	0.478 U	0.421	
cis-1,3-Dichloropropene	ND	0.0706	0.0628	~~ND~~	0.320 U	0.285	
Methyl isobutyl ketone	0.0911	0.0740	0.0628	0.373	0.303	0.257	
Toluene	1.72	0.0729	0.0628	6.48	0.275	0.237	
trans-1,3-Dichloropropene	ND	0.0729	0.0628	~~ND~~	0.331 U	0.285	
1,1,2-Trichloroethane	ND	0.0719	0.0628	~~ND~~	0.393	0.343	
Tetrachloroethene	ND	0.0724	0.0628	~~ND~~	0.491	0.426	
2-Hexanone (Methyl butyl ketone)	ND	0.0729	0.0628	~~ND~~	0.299	0.257	
Dibromochloromethane	ND	0.0709	0.0628	~~ND~~	0.604	0.535	
1,2-Dibromoethane	ND	0.0727	0.0628	~~ND~~	0.559	0.483	
Chlorobenzene	ND	0.0739	0.0628	~~ND~~	0.340	0.289	
Ethylbenzene	0.773	0.0707	0.0628	3.36	0.307	0.273	
1,1,1,2-Tetrachloroethane	ND	0.0718	0.0628	~~ND~~	0.493 U	0.431	
m-/p-Xylenes	0.547	0.0727	0.0628	2.37	0.316	0.273	

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08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-RES-AM-072719
Sample Info	: 0719-205; Can #0802; 500mL load
Data File	: X1902708.D
Dilution	: 1
Pressurization Factor	: 1.795
Acquisition Date	: 2019-07-30 04:33:30
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.219	0.0717	0.0628	0.950	0.311	0.273	
Styrene	0.402	0.0699	0.0628	1.71	0.298	0.268	
Bromoform	ND	0.0721	0.0628	~~ND~~	0.745 U	0.649	
1,1,2,2-Tetrachloroethane	ND	0.0718	0.0628	~~ND~~	0.493	0.431	
4-Ethyltoluene	ND	0.0723	0.0628	~~ND~~	0.355	0.309	
2-Chlorotoluene	ND	0.0723	0.0628	~~ND~~	0.374	0.325	
1,3,5-Trimethylbenzene	ND	0.0720	0.0628	~~ND~~	0.354	0.309	
1,2,4-Trimethylbenzene	0.160	0.0714	0.0628	0.784	0.351	0.309	m
1,3-Dichlorobenzene	ND	0.0724	0.0628	~~ND~~	0.436 U	0.378	
1,4-Dichlorobenzene	ND	0.0720	0.0628	~~ND~~	0.433	0.378	
Benzyl chloride	ND	0.0717	0.0628	~~ND~~	0.371	0.325	
1,2-Dichlorobenzene	ND	0.0732	0.0628	~~ND~~	0.440	0.378	
1,2,4-Trichlorobenzene	ND	0.0729	0.0628	~~ND~~	0.541	0.466	
Hexachlorobutadiene	ND	0.0719	0.0628	~~ND~~	0.767	0.670	
Naphthalene	ND	0.0743	0.0628	~~ND~~	0.390	0.329	
1-Bromopropane	ND	0.0709	0.0628	~~ND~~	0.357	0.316	
1-Octene	ND	0.0702	0.0628	~~ND~~	0.322	0.288	
n-Octane	0.0755	0.0719	0.0628	0.353	0.336	0.294	m
Isopropylbenzene	0.170	0.0729	0.0628	0.838	0.358	0.309	
n-Propylbenzene	ND	0.0730	0.0628	~~ND~~	0.359 U	0.309	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	958,197	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	3,467,327	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,785,036	17.86	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

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08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name : ACF-AS-RES-AM-072719
Sample Info : 0719-205
Data File : W1900511.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 18:56:48
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 486.2

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
N-Nitrosodimethylamine	0.772	ND	3.86	ND	7.94 U	ND	
Pyridine	1.50	ND	7.50	ND	15.4	ND	
Phenol (CCC)	0.649	ND	3.25	ND	6.67	ND	
Aniline	0.694	ND	3.47	ND	7.14	ND	
bis(2-Chloroethyl)ether	0.788	ND	3.94	ND	8.10	ND	
2-Chlorophenol	0.624	ND	3.12	ND	6.42	ND	
1,3-Dichlorobenzene	0.558	ND	2.79	ND	5.74	ND	
1,4-Dichlorobenzene (CCC)	0.528	ND	2.64	ND	5.43	ND	
Benzyl alcohol	0.700	ND	3.50	ND	7.20	ND	
1,2-Dichlorobenzene	0.558	ND	2.79	ND	5.74	ND	
2-Methylphenol	0.677	ND	3.39	ND	6.96	ND	
bis(2-Chloroisopropyl) ether	0.982	ND	4.91	ND	10.1	ND	
3/4-Methylphenol	0.591	ND	2.96	ND	6.08	ND	
N-Nitroso-di-n-propylamine (SPCC)	0.832	ND	4.16	ND	8.56	ND	
o-Toluidine	5.00	ND	25.0	ND	51.4	ND	
Hexachloroethane	0.632	ND	3.16	ND	6.50	ND	
Nitrobenzene	0.816	ND	4.08	ND	8.39	ND	
Isophorone	0.748	ND	3.74	ND	7.69	ND	
2,4-Dimethylphenol	0.729	ND	3.65	ND	7.50	ND	
2-Nitrophenol (CCC)	0.669	ND	3.35	ND	6.88	ND	
Benzoic acid	5.00	ND	25.0	ND	51.4	ND	
bis(2-Chloroethoxy)methane	0.732	ND	3.66	ND	7.53	ND	
2,4-Dichlorophenol (CCC)	0.652	ND	3.26	ND	6.71	ND	
a,a-Dimethylphenethylamine	5.00	ND	25.0	ND	51.4	ND	
1,2,4-Trichlorobenzene	0.617	ND	3.09	ND	6.35	ND	
Naphthalene	0.665	ND	3.33	ND	6.84	ND	
4-Chloroaniline	0.849	ND	4.25	ND	8.73	ND	
Hexachlorobutadiene (CCC)	0.609	ND	3.05	ND	6.26	ND	
Quinoline	1.00	ND	5.00	ND	10.3	ND	
1,4-Phenylenediamine	5.00	ND	25.0	ND	51.4	ND	
4-Chloro-3 methylphenol (CCC)	0.661	ND	3.31	ND	6.80	ND	
2-Methylnaphthalene	0.618	ND	3.09	ND	6.36	ND	
1-Methylnaphthalene	0.613	ND	3.07	ND	6.30	ND	
Hexachlorocyclopentadiene (SPCC)	8.12	ND	40.6	ND	83.5	ND	
2,4,6-Trichlorophenol (CCC)	0.738	ND	3.69	ND	7.59	ND	
2,4,5-Trichlorophenol	0.541	ND	2.71	ND	5.56	ND	
Biphenyl	5.00	ND	25.0	ND	51.4	ND	
2-Chloronaphthalene	0.652	ND	3.26	ND	6.71	ND	
2-Nitroaniline	0.966	ND	4.83	ND	9.93	ND	
1,4-Dinitrobenzene	0.672	ND	3.36	ND	6.91	ND	
Dimethylphthalate	0.809	ND	4.05	ND	8.32	ND	
1,3-Dinitrobenzene	0.819	ND	4.10	ND	8.42	ND	
2,6-Dinitrotoluene	0.775	ND	3.88	ND	7.97	ND	
1,2-Dinitrobenzene	0.777	ND	3.89	ND	7.99	ND	
Acenaphthylene	0.675	ND	3.38	ND	6.94	ND	
3-Nitroaniline	0.816	ND	4.08	ND	8.39	ND	
Acenaphthene (CCC)	0.934	ND	4.67	ND	9.61	ND	
2,4-Dinitrophenol (SPCC)	5.00	ND	25.0	ND	51.4	ND	
4-Nitrophenol (SPCC)	5.00	ND	25.0	ND	51.4	ND	
2,4-Dinitrotoluene	0.804	ND	4.02	ND	8.27	ND	

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08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name : ACF-AS-RES-AM-072719
Sample Info : 0719-205
Data File : W1900511.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 18:56:48
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 486.2

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
Dibenzofuran	0.688	ND	3.44	ND	7.08 U	ND	
2,3,5,6-Tetrachlorophenol	0.761	ND	3.81	ND	7.83	ND	
2,3,4,6-Tetrachlorophenol	0.701	ND	3.51	ND	7.21	ND	
Diethlyphthalate	1.02	ND	5.10	ND	10.5	ND	
4-Chlorophenyl-phenylether	0.754	ND	3.77	ND	7.75	ND	
Fluorene	0.783	ND	3.92	ND	8.05	ND	
4-Nitroaniline	0.694	ND	3.47	ND	7.14	ND	
4,6-Dinitro2-methylphenol	5.00	ND	25.0	ND	51.4	ND	
N-Nitrosodiphenylamine (CCC)	0.716	ND	3.58	ND	7.36	ND	
Azobenzene	0.991	ND	4.96	ND	10.2	ND	
4-Bromophenyl-phenylether	0.671	ND	3.36	ND	6.90	ND	
Hexachlorobenzene	0.546	ND	2.73	ND	5.61	ND	
Pentachlorophenol (CCC)	5.00	ND	25.0	ND	51.4	ND	
Phenanthrene	0.771	ND	3.86	ND	7.93	ND	
Anthracene	0.760	ND	3.80	ND	7.82	ND	
Carbazole	0.705	ND	3.53	ND	7.25	ND	
Di-n-butylphthalate	1.04	ND	5.20	ND	10.7	ND	
Fluoranthene (CCC)	0.919	ND	4.60	ND	9.45	ND	
Benzidine	22.8	ND	114	ND	234	ND	
Pyrene	0.937	ND	4.69	ND	9.64	ND	
4-Dimethylaminoazobenzene	5.00	ND	25.0	ND	51.4	ND	
Butylbenzylphthalate	0.810	ND	4.05	ND	8.33	ND	
3,3-Dimethylbenzidine	10.8	ND	54.0	ND	111	ND	
bis(2-Ethylhexyl)adipate	0.874	ND	4.37	ND	8.99	ND	
3,3-Dimethoxybenzidine	5.00	ND	25.0	ND	51.4	ND	
bis(2-Ethylhexyl)phthalate	1.74	ND	8.70	ND	17.9	ND	
3,3'-Dichlorobenzidine	5.00	ND	25.0	ND	51.4	ND	
Benzo(a)anthracene	0.550	ND	2.75	ND	5.66	ND	
Chrysene	0.556	ND	2.78	ND	5.72	ND	
Di-n-octylphthalate (CCC)	0.644	ND	3.22	ND	6.62	ND	
7,12-Dimethylbenz(a)anthracene	5.00	ND	25.0	ND	51.4	ND	
Benzo(b)fluoranthene	0.300	ND	1.50	ND	3.09	ND	
Benzo(k)fluoranthene	0.356	ND	1.78	ND	3.66	ND	
Benzo(e)pyrene	0.340	ND	1.70	ND	3.50	ND	
Benzo(a)pyrene (CCC)	0.340	ND	1.70	ND	3.50	ND	
Perylene	0.340	ND	1.70	ND	3.50	ND	
3-Methylcholanthrene	5.00	ND	25.0	ND	51.4	ND	
Indeno(1,2,3-cd)pyrene	0.300	ND	1.50	ND	3.09	ND	
Dibenz(a,h)anthracene	0.425	ND	2.13	ND	4.37	ND	
Benzo(g,h,i)perylene	0.352	ND	1.76	ND	3.62	ND	
Dibenzo(a,e)pyrene	5.00	ND	25.0	ND	51.4	ND	

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**

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08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name : ACF-AS-RES-PM-072719
Sample Info : 0719-205; Can #0809; 500mL load
Data File : X1902710.D
Dilution : 1
Pressurization Factor : 1.834
Acquisition Date : 2019-07-30 06:25:54
Instrument Method : TO15-SCN.M
Matrix : AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	1.72	0.0704	0.0642	2.96	0.121	0.110	
Freon 12 (CCl2F2)	0.488	0.0716	0.0642	2.41	0.354	0.317	
Freon 114 (C2Cl2F4)	ND	0.0734	0.0642	~~ND~~	0.513 U	0.449	
Chloromethane	0.596	0.0715	0.0642	1.23	0.148	0.133	
Chloroethene (Vinyl chloride)	ND	0.0738	0.0642	~~ND~~	0.189 U	0.164	
1,3-Butadiene	0.348	0.0717	0.0642	0.769	0.159	0.142	
Bromomethane	ND	0.0726	0.0642	~~ND~~	0.282 U	0.249	
Chloroethane	ND	0.0739	0.0642	~~ND~~	0.195	0.169	
Bromoethene (Vinyl bromide)	ND	0.0731	0.0642	~~ND~~	0.320	0.281	
Freon 11 (CCl3F)	0.249	0.0761	0.0642	1.40	0.428	0.361	
Ethanol	4.91	0.183	0.183	9.26	0.346	0.346	
Acrolein	0.124	0.0728	0.0642	0.283	0.167	0.147	m
Freon 113 (C2Cl3F3)	0.0790	0.0730	0.0642	0.605	0.559	0.492	
1,1-Dichloroethene	ND	0.0734	0.0642	~~ND~~	0.291 U	0.255	
Acetone	4.44	0.0737	0.0642	10.5	0.175	0.152	
Carbon disulfide	0.143	0.0737	0.0642	0.444 J+	0.229	0.200	
Isopropyl alcohol	0.386	0.0737	0.0642	0.949	0.181	0.158	
Allyl chloride (3-chloropropene)	ND	0.0738	0.0642	~~ND~~	0.231 U	0.201	
Acetonitrile	0.590	0.0737	0.0642	0.990	0.124	0.108	
Methylene chloride	0.288	0.0743	0.0642	0.999 J+	0.258	0.223	
trans-1,2-Dichloroethene	ND	0.0748	0.0642	~~ND~~	0.296 U	0.255	
Methyl tert-butyl ether	0.0865	0.0751	0.0642	0.312	0.271	0.231	
Acrylonitrile	ND	0.0750	0.0642	~~ND~~	0.163 U	0.139	
Hexane	0.673	0.0742	0.0642	2.37	0.261	0.226	
1,1-Dichloroethane	ND	0.0723	0.0642	~~ND~~	0.292 U	0.260	
Vinyl acetate	ND	0.0746	0.0642	~~ND~~	0.263	0.226	
cis-1,2-Dichloroethene	ND	0.0739	0.0642	~~ND~~	0.293	0.255	
Methyl ethyl ketone (2-Butanone)	0.207	0.0745	0.0642	0.612	0.220	0.189	
Ethyl acetate	ND	0.0739	0.0642	~~ND~~	0.266 U	0.231	
Chloroform	ND	0.0742	0.0642	~~ND~~	0.362	0.313	
Tetrahydrofuran	ND	0.0740	0.0642	~~ND~~	0.218	0.189	
1,1,1-Trichloroethane	ND	0.0730	0.0642	~~ND~~	0.398	0.350	
Cyclohexane	0.233	0.0746	0.0642	0.803	0.257	0.221	m
Carbon tetrachloride	0.0789	0.0742	0.0642	0.496	0.467	0.404	
Benzene	0.784	0.0732	0.0642	2.50	0.234	0.205	
2,2,4-trimethylpentane	0.104	0.0752	0.0642	0.487	0.351	0.300	
1,2-Dichloroethane	ND	0.0750	0.0642	~~ND~~	0.303 U	0.260	
Heptane	0.217	0.0737	0.0642	0.891	0.302	0.263	
Trichloroethene	ND	0.0737	0.0642	~~ND~~	0.396 U	0.345	
1,2-Dichloropropane	ND	0.0750	0.0642	~~ND~~	0.346	0.297	
Methyl methacrylate	ND	0.0761	0.0642	~~ND~~	0.312	0.263	
1,4-Dioxane	ND	0.0742	0.0642	~~ND~~	0.267	0.231	
Bromodichloromethane	ND	0.0728	0.0642	~~ND~~	0.488	0.430	
cis-1,3-Dichloropropene	ND	0.0721	0.0642	~~ND~~	0.327	0.291	
Methyl isobutyl ketone	ND	0.0756	0.0642	~~ND~~	0.310	0.263	
Toluene	1.35	0.0745	0.0642	5.08	0.281	0.242	
trans-1,3-Dichloropropene	ND	0.0745	0.0642	~~ND~~	0.338 U	0.291	
1,1,2-Trichloroethane	ND	0.0735	0.0642	~~ND~~	0.401 U	0.350	
Tetrachloroethene	0.109	0.0740	0.0642	0.736	0.502	0.435	
2-Hexanone (Methyl butyl ketone)	ND	0.0745	0.0642	~~ND~~	0.305 U	0.263	
Dibromochloromethane	ND	0.0724	0.0642	~~ND~~	0.617	0.547	
1,2-Dibromoethane	ND	0.0743	0.0642	~~ND~~	0.571	0.493	
Chlorobenzene	ND	0.0755	0.0642	~~ND~~	0.348	0.296	
Ethylbenzene	0.177	0.0722	0.0642	0.768	0.313	0.279	
1,1,1,2-Tetrachloroethane	ND	0.0734	0.0642	~~ND~~	0.504 U	0.441	
m-/p-Xylenes	0.577	0.0743	0.0642	2.51	0.323	0.279	

08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-RES-PM-072719
Sample Info	: 0719-205; Can #0809; 500mL load
Data File	: X1902710.D
Dilution	: 1
Pressurization Factor	: 1.834
Acquisition Date	: 2019-07-30 06:25:54
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.211	0.0733	0.0642	0.916	0.318	0.279	
Styrene	0.105	0.0715	0.0642	0.446	0.304	0.273	
Bromoform	ND	0.0737	0.0642	ND	0.761 U	0.664	
1,1,2,2-Tetrachloroethane	ND	0.0734	0.0642	ND	0.504	0.441	
4-Ethyltoluene	ND	0.0739	0.0642	ND	0.363	0.316	
2-Chlorotoluene	ND	0.0739	0.0642	ND	0.382	0.332	
1,3,5-Trimethylbenzene	ND	0.0736	0.0642	ND	0.362	0.316	
1,2,4-Trimethylbenzene	0.166	0.0729	0.0642	0.817	0.358	0.316	m
1,3-Dichlorobenzene	ND	0.0740	0.0642	ND	0.445 U	0.386	
1,4-Dichlorobenzene	ND	0.0736	0.0642	ND	0.442	0.386	
Benzyl chloride	ND	0.0732	0.0642	ND	0.379	0.332	
1,2-Dichlorobenzene	ND	0.0748	0.0642	ND	0.449	0.386	
1,2,4-Trichlorobenzene	ND	0.0745	0.0642	ND	0.553	0.476	
Hexachlorobutadiene	ND	0.0735	0.0642	ND	0.784	0.685	
Naphthalene	ND	0.0759	0.0642	ND	0.398	0.336	
1-Bromopropane	ND	0.0725	0.0642	ND	0.365	0.323	
1-Octene	ND	0.0717	0.0642	ND	0.329	0.295	
n-Octane	ND	0.0735	0.0642	ND	0.343	0.300	
Isopropylbenzene	ND	0.0745	0.0642	ND	0.366	0.316	
n-Propylbenzene	ND	0.0746	0.0642	ND	0.367	0.316	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	977,610	11.94	5.00	PASS
1,4-Difluorobenzene (IS)	3,507,464	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,824,077	17.86	4.80	PASS

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08/08/19

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name : ACF-AS-RES-PM-072719
Sample Info : 0719-205
Data File : W1900513.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 20:00:00
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 421.4

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
N-Nitrosodimethylamine	0.772	ND	3.86	ND	9.16 U	ND	
Pyridine	1.50	ND	7.50	ND	17.8	ND	
Phenol (CCC)	0.649	ND	3.25	ND	7.70	ND	
Aniline	0.694	ND	3.47	ND	8.23	ND	
bis(2-Chloroethyl)ether	0.788	ND	3.94	ND	9.35	ND	
2-Chlorophenol	0.624	ND	3.12	ND	7.40	ND	
1,3-Dichlorobenzene	0.558	ND	2.79	ND	6.62	ND	
1,4-Dichlorobenzene (CCC)	0.528	ND	2.64	ND	6.26	ND	
Benzyl alcohol	0.700	ND	3.50	ND	8.31	ND	
1,2-Dichlorobenzene	0.558	ND	2.79	ND	6.62	ND	
2-Methylphenol	0.677	ND	3.39	ND	8.03	ND	
bis(2-Chloroisopropyl) ether	0.982	ND	4.91	ND	11.7	ND	
3/4-Methylphenol	0.591	ND	2.96	ND	7.01	ND	
N-Nitroso-di-n-propylamine (SPCC)	0.832	ND	4.16	ND	9.87	ND	
o-Toluidine	5.00	ND	25.0	ND	59.3	ND	
Hexachloroethane	0.632	ND	3.16	ND	7.50	ND	
Nitrobenzene	0.816	ND	4.08	ND	9.68	ND	
Isophorone	0.748	ND	3.74	ND	8.88	ND	
2,4-Dimethylphenol	0.729	ND	3.65	ND	8.65	ND	
2-Nitrophenol (CCC)	0.669	ND	3.35	ND	7.94	ND	
Benzoic acid	5.00	ND	25.0	ND	59.3	ND	
bis(2-Chloroethoxy)methane	0.732	ND	3.66	ND	8.69	ND	
2,4-Dichlorophenol (CCC)	0.652	ND	3.26	ND	7.74	ND	
a,a-Dimethylphenethylamine	5.00	ND	25.0	ND	59.3	ND	
1,2,4-Trichlorobenzene	0.617	ND	3.09	ND	7.32	ND	
Naphthalene	0.665	ND	3.33	ND	7.89	ND	
4-Chloroaniline	0.849	ND	4.25	ND	10.1	ND	
Hexachlorobutadiene (CCC)	0.609	ND	3.05	ND	7.23	ND	
Quinoline	1.00	ND	5.00	ND	11.9	ND	
1,4-Phenylenediamine	5.00	ND	25.0	ND	59.3	ND	
4-Chloro-3 methylphenol (CCC)	0.661	ND	3.31	ND	7.84	ND	
2-Methylnaphthalene	0.618	ND	3.09	ND	7.33	ND	
1-Methylnaphthalene	0.613	ND	3.07	ND	7.27	ND	
Hexachlorocyclopentadiene (SPCC)	8.12	ND	40.6	ND	96.3	ND	
2,4,6-Trichlorophenol (CCC)	0.738	ND	3.69	ND	8.76	ND	
2,4,5-Trichlorophenol	0.541	ND	2.71	ND	6.42	ND	
Biphenyl	5.00	ND	25.0	ND	59.3	ND	
2-Chloronaphthalene	0.652	ND	3.26	ND	7.74	ND	
2-Nitroaniline	0.966	ND	4.83	ND	11.5	ND	
1,4-Dinitrobenzene	0.672	ND	3.36	ND	7.97	ND	
Dimethylphthalate	0.809	ND	4.05	ND	9.60	ND	
1,3-Dinitrobenzene	0.819	ND	4.10	ND	9.72	ND	
2,6-Dinitrotoluene	0.775	ND	3.88	ND	9.20	ND	
1,2-Dinitrobenzene	0.777	ND	3.89	ND	9.22	ND	
Acenaphthylene	0.675	ND	3.38	ND	8.01	ND	
3-Nitroaniline	0.816	ND	4.08	ND	9.68	ND	
Acenaphthene (CCC)	0.934	ND	4.67	ND	11.1	ND	
2,4-Dinitrophenol (SPCC)	5.00	ND	25.0	ND	59.3	ND	
4-Nitrophenol (SPCC)	5.00	ND	25.0	ND	59.3	ND	
2,4-Dinitrotoluene	0.804	ND	4.02	ND	9.54	ND	

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08/08/19

Quantitation Report

Enthalpy Analytical, LLC

Sample Name : ACF-AS-RES-PM-072719
Sample Info : 0719-205
Data File : W1900513.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 20:00:00
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 421.4

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
Dibenzofuran	0.688	ND	3.44	ND	8.16 U	ND	
2,3,5,6-Tetrachlorophenol	0.761	ND	3.81	ND	9.03	ND	
2,3,4,6-Tetrachlorophenol	0.701	ND	3.51	ND	8.32	ND	
Diethlyphthalate	1.02	ND	5.10	ND	12.1	ND	
4-Chlorophenyl-phenylether	0.754	ND	3.77	ND	8.95	ND	
Fluorene	0.783	ND	3.92	ND	9.29	ND	
4-Nitroaniline	0.694	ND	3.47	ND	8.24	ND	
4,6-Dinitro2-methylphenol	5.00	ND	25.0	ND	59.3	ND	
N-Nitrosodiphenylamine (CCC)	0.716	ND	3.58	ND	8.50	ND	
Azobenzene	0.991	ND	4.96	ND	11.8	ND	
4-Bromophenyl-phenylether	0.671	ND	3.36	ND	7.96	ND	
Hexachlorobenzene	0.546	ND	2.73	ND	6.48	ND	
Pentachlorophenol (CCC)	5.00	ND	25.0	ND	59.3	ND	
Phenanthrene	0.771	ND	3.86	ND	9.15	ND	
Anthracene	0.760	ND	3.80	ND	9.02	ND	
Carbazole	0.705	ND	3.53	ND	8.36	ND	
Di-n-butylphthalate	1.04	ND	5.20	ND	12.3	ND	
Fluoranthene (CCC)	0.919	ND	4.60	ND	10.9	ND	
Benzidine	22.8	ND	114	ND	271	ND	
Pyrene	0.937	ND	4.69	ND	11.1	ND	
4-Dimethylaminoazobenzene	5.00	ND	25.0	ND	59.3	ND	
Butylbenzylphthalate	0.810	ND	4.05	ND	9.61	ND	
3,3-Dimethylbenzidine	10.8	ND	54.0	ND	128	ND	
bis(2-Ethylhexyl)adipate	0.874	ND	4.37	ND	10.4	ND	
3,3-Dimethoxybenzidine	5.00	ND	25.0	ND	59.3	ND	
bis(2-Ethylhexyl)phthalate	1.74	ND	8.70	ND	20.6	ND	
3,3'-Dichlorobenzidine	5.00	ND	25.0	ND	59.3	ND	
Benzo(a)anthracene	0.550	ND	2.75	ND	6.53	ND	
Chrysene	0.556	ND	2.78	ND	6.60	ND	
Di-n-octylphthalate (CCC)	0.644	ND	3.22	ND	7.64	ND	
7,12-Dimethylbenz(a)anthracene	5.00	ND	25.0	ND	59.3	ND	
Benzo(b)fluoranthene	0.300	ND	1.50	ND	3.56	ND	
Benzo(k)fluoranthene	0.356	ND	1.78	ND	4.22	ND	
Benzo(e)pyrene	0.340	ND	1.70	ND	4.03	ND	
Benzo(a)pyrene (CCC)	0.340	ND	1.70	ND	4.03	ND	
Perylene	0.340	ND	1.70	ND	4.03	ND	
3-Methylcholanthrene	5.00	ND	25.0	ND	59.3	ND	
Indeno(1,2,3-cd)pyrene	0.300	ND	1.50	ND	3.56	ND	
Dibenz(a,h)anthracene	0.425	ND	2.13	ND	5.04	ND	
Benzo(g,h,i)perylene	0.352	ND	1.76	ND	4.18	ND	
Dibenzo(a,e)pyrene	5.00	ND	25.0	ND	59.3	ND	

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-Smoke-AM-072719
Sample Info	: 0719-205; Can #0799; 500mL load
Data File	: X1902707.D
Dilution	: 1
Pressurization Factor	: 1.786
Acquisition Date	: 2019-07-30 03:37:21
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	2.32	0.0685	0.0625	3.99	0.118	0.108	
Freon 12 (CCl2F2)	0.481	0.0697	0.0625	2.38	0.345	0.309	
Freon 114 (C2Cl2F4)	ND	0.0715	0.0625	ND	0.500 U	0.437	
Chloromethane	1.43	0.0697	0.0625	2.95	0.144	0.129	
Chloroethene (Vinyl chloride)	ND	0.0719	0.0625	ND	0.184 U	0.160	
1,3-Butadiene	0.311	0.0698	0.0625	0.689	0.154	0.138	
Bromomethane	ND	0.0707	0.0625	ND	0.274 U	0.243	
Chloroethane	ND	0.0720	0.0625	ND	0.190	0.165	
Bromoethene (Vinyl bromide)	ND	0.0712	0.0625	ND	0.312	0.273	
Freon 11 (CCl3F)	0.236	0.0742	0.0625	1.33	0.417	0.351	
Ethanol	1.24	0.179	0.179	2.33	0.337	0.337	
Acrolein	0.217	0.0709	0.0625	0.498	0.163	0.143	m
Freon 113 (C2Cl3F3)	0.0714	0.0711	0.0625	0.547	0.545	0.479	
1,1-Dichloroethene	ND	0.0715	0.0625	ND	0.284 U	0.248	
Acetone	3.16	0.0718	0.0625	7.51	0.171	0.148	
Carbon disulfide	0.0896	0.0717	0.0625	0.279 J+	0.223	0.195	
Isopropyl alcohol	0.177	0.0717	0.0625	0.434	0.176	0.154	
Allyl chloride (3-chloropropene)	ND	0.0719	0.0625	ND	0.225 U	0.196	
Acetonitrile	0.531	0.0718	0.0625	0.892	0.121	0.105	
Methylene chloride	0.194	0.0723	0.0625	0.674 J+	0.251	0.217	
trans-1,2-Dichloroethene	ND	0.0728	0.0625	ND	0.289 U	0.248	
Methyl tert-butyl ether	ND	0.0732	0.0625	ND	0.264	0.225	
Acrylonitrile	ND	0.0730	0.0625	ND	0.158	0.136	
Hexane	0.184	0.0722	0.0625	0.647	0.255	0.220	m
1,1-Dichloroethane	ND	0.0704	0.0625	ND	0.285 U	0.253	
Vinyl acetate	ND	0.0727	0.0625	ND	0.256	0.220	
cis-1,2-Dichloroethene	ND	0.0719	0.0625	ND	0.285	0.248	
Methyl ethyl ketone (2-Butanone)	0.273	0.0726	0.0625	0.805	0.214	0.184	
Ethyl acetate	ND	0.0719	0.0625	ND	0.259 U	0.225	
Chloroform	ND	0.0722	0.0625	ND	0.353 U	0.305	
Tetrahydrofuran	0.126	0.0721	0.0625	0.373	0.213	0.184	
1,1,1-Trichloroethane	ND	0.0711	0.0625	ND	0.388 U	0.341	
Cyclohexane	ND	0.0727	0.0625	ND	0.250 U	0.215	
Carbon tetrachloride	0.0760	0.0723	0.0625	0.478	0.455	0.393	
Benzene	1.06	0.0713	0.0625	3.40	0.228	0.200	
2,2,4-trimethylpentane	ND	0.0732	0.0625	ND	0.342 U	0.292	
1,2-Dichloroethane	ND	0.0730	0.0625	ND	0.296 U	0.253	
Heptane	0.0890	0.0718	0.0625	0.365	0.294	0.256	
Trichloroethene	ND	0.0717	0.0625	ND	0.385 U	0.336	
1,2-Dichloropropane	ND	0.0730	0.0625	ND	0.337	0.289	
Methyl methacrylate	ND	0.0741	0.0625	ND	0.303	0.256	
1,4-Dioxane	ND	0.0722	0.0625	ND	0.260	0.225	
Bromodichloromethane	ND	0.0709	0.0625	ND	0.475	0.419	
cis-1,3-Dichloropropene	ND	0.0702	0.0625	ND	0.319	0.284	
Methyl isobutyl ketone	ND	0.0737	0.0625	ND	0.302	0.256	
Toluene	0.697	0.0726	0.0625	2.62	0.274	0.236	
trans-1,3-Dichloropropene	ND	0.0726	0.0625	ND	0.329 U	0.284	
1,1,2-Trichloroethane	ND	0.0716	0.0625	ND	0.391	0.341	
Tetrachloroethene	ND	0.0721	0.0625	ND	0.489	0.424	
2-Hexanone (Methyl butyl ketone)	ND	0.0726	0.0625	ND	0.297	0.256	
Dibromochloromethane	ND	0.0705	0.0625	ND	0.601	0.532	
1,2-Dibromoethane	ND	0.0724	0.0625	ND	0.556	0.480	
Chlorobenzene	ND	0.0735	0.0625	ND	0.338	0.288	
Ethylbenzene	0.257	0.0703	0.0625	1.12	0.305	0.271	
1,1,1,2-Tetrachloroethane	ND	0.0714	0.0625	ND	0.490 U	0.429	
m-/p-Xylenes	0.217	0.0724	0.0625	0.941	0.314	0.271	

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-Smoke-AM-072719
Sample Info	: 0719-205; Can #0799; 500mL load
Data File	: X1902707.D
Dilution	: 1
Pressurization Factor	: 1.786
Acquisition Date	: 2019-07-30 03:37:21
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.0833	0.0714	0.0625	0.362	0.310	0.271	
Styrene	0.500	0.0696	0.0625	2.13	0.296	0.266	
Bromoform	ND	0.0717	0.0625	~~ND~~	0.741 U	0.646	
1,1,2,2-Tetrachloroethane	ND	0.0714	0.0625	~~ND~~	0.490	0.429	
4-Ethyltoluene	ND	0.0719	0.0625	~~ND~~	0.354	0.307	
2-Chlorotoluene	ND	0.0719	0.0625	~~ND~~	0.372	0.324	
1,3,5-Trimethylbenzene	ND	0.0717	0.0625	~~ND~~	0.352	0.307	
1,2,4-Trimethylbenzene	0.0648	0.0710	0.0625	0.318 J	0.349	0.307	J
1,3-Dichlorobenzene	ND	0.0721	0.0625	~~ND~~	0.433	0.376	
1,4-Dichlorobenzene	ND	0.0717	0.0625	~~ND~~	0.431	0.376	
Benzyl chloride	ND	0.0713	0.0625	~~ND~~	0.369	0.324	
1,2-Dichlorobenzene	ND	0.0728	0.0625	~~ND~~	0.438	0.376	
1,2,4-Trichlorobenzene	ND	0.0725	0.0625	~~ND~~	0.538	0.464	
Hexachlorobutadiene	ND	0.0716	0.0625	~~ND~~	0.763	0.667	
Naphthalene	ND	0.0739	0.0625	~~ND~~	0.388	0.328	
1-Bromopropane	ND	0.0706	0.0625	~~ND~~	0.355	0.314	
1-Octene	ND	0.0699	0.0625	~~ND~~	0.321	0.287	
n-Octane	ND	0.0716	0.0625	~~ND~~	0.334	0.292	
Isopropylbenzene	0.0855	0.0725	0.0625	0.421	0.356	0.307	
n-Propylbenzene	ND	0.0727	0.0625	~~ND~~	0.357 U	0.307	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	956,550	11.93	5.00	PASS
1,4-Difluorobenzene (IS)	3,472,838	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,804,458	17.86	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-SMOKE-AM-072719
Sample Info	: 0719-205
Data File	: W1900512.D
Dilution	: 1
Extract Volume	: 5.00
Acquisition Date	: 2019-07-31 19:28:28
Instrument Method	: RXI-M8270.M
Matrix	: LIQUID

Air Sampling Volume (L): 562.5

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
N-Nitrosodimethylamine	0.772	ND	3.86	ND	6.86 U	ND	
Pyridine	1.50	ND	7.50	ND	13.3	ND	
Phenol (CCC)	0.649	ND	3.25	ND	5.77	ND	
Aniline	0.694	ND	3.47	ND	6.17	ND	
bis(2-Chloroethyl)ether	0.788	ND	3.94	ND	7.00	ND	
2-Chlorophenol	0.624	ND	3.12	ND	5.55	ND	
1,3-Dichlorobenzene	0.558	ND	2.79	ND	4.96	ND	
1,4-Dichlorobenzene (CCC)	0.528	ND	2.64	ND	4.69	ND	
Benzyl alcohol	0.700	ND	3.50	ND	6.22	ND	
1,2-Dichlorobenzene	0.558	ND	2.79	ND	4.96	ND	
2-Methylphenol	0.677	ND	3.39	ND	6.02	ND	
bis(2-Chloroisopropyl) ether	0.982	ND	4.91	ND	8.73	ND	
3/4-Methylphenol	0.591	ND	2.96	ND	5.25	ND	
N-Nitroso-di-n-propylamine (SPCC)	0.832	ND	4.16	ND	7.40	ND	
o-Toluidine	5.00	ND	25.0	ND	44.4	ND	
Hexachloroethane	0.632	ND	3.16	ND	5.62	ND	
Nitrobenzene	0.816	ND	4.08	ND	7.25	ND	
Isophorone	0.748	ND	3.74	ND	6.65	ND	
2,4-Dimethylphenol	0.729	ND	3.65	ND	6.48	ND	
2-Nitrophenol (CCC)	0.669	ND	3.35	ND	5.95	ND	
Benzoic acid	5.00	ND	25.0	ND	44.4	ND	
bis(2-Chloroethoxy)methane	0.732	ND	3.66	ND	6.51	ND	
2,4-Dichlorophenol (CCC)	0.652	ND	3.26	ND	5.80	ND	
a,a-Dimethylphenethylamine	5.00	ND	25.0	ND	44.4	ND	
1,2,4-Trichlorobenzene	0.617	ND	3.09	ND	5.48	ND	
Naphthalene	0.665	ND	3.33	ND	5.91	ND	
4-Chloroaniline	0.849	ND	4.25	ND	7.55	ND	
Hexachlorobutadiene (CCC)	0.609	ND	3.05	ND	5.41	ND	
Quinoline	1.00	ND	5.00	ND	8.89	ND	
1,4-Phenylenediamine	5.00	ND	25.0	ND	44.4	ND	
4-Chloro-3 methylphenol (CCC)	0.661	ND	3.31	ND	5.88	ND	
2-Methylnaphthalene	0.618	ND	3.09	ND	5.49	ND	
1-Methylnaphthalene	0.613	ND	3.07	ND	5.45	ND	
Hexachlorocyclopentadiene (SPCC)	8.12	ND	40.6	ND	72.2	ND	
2,4,6-Trichlorophenol (CCC)	0.738	ND	3.69	ND	6.56	ND	
2,4,5-Trichlorophenol	0.541	ND	2.71	ND	4.81	ND	
Biphenyl	5.00	ND	25.0	ND	44.4	ND	
2-Chloronaphthalene	0.652	ND	3.26	ND	5.80	ND	
2-Nitroaniline	0.966	ND	4.83	ND	8.59	ND	
1,4-Dinitrobenzene	0.672	ND	3.36	ND	5.97	ND	
Dimethylphthalate	0.809	ND	4.05	ND	7.19	ND	
1,3-Dinitrobenzene	0.819	ND	4.10	ND	7.28	ND	
2,6-Dinitrotoluene	0.775	ND	3.88	ND	6.89	ND	
1,2-Dinitrobenzene	0.777	ND	3.89	ND	6.91	ND	
Acenaphthylene	0.675	ND	3.38	ND	6.00	ND	
3-Nitroaniline	0.816	ND	4.08	ND	7.25	ND	
Acenaphthene (CCC)	0.934	ND	4.67	ND	8.30	ND	
2,4-Dinitrophenol (SPCC)	5.00	ND	25.0	ND	44.4	ND	
4-Nitrophenol (SPCC)	5.00	ND	25.0	ND	44.4	ND	
2,4-Dinitrotoluene	0.804	ND	4.02	ND	7.15	ND	

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Quantitation Report

Enthalpy Analytical, LLC

Sample Name : ACF-AS-SMOKE-AM-072719
Sample Info : 0719-205
Data File : W1900512.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 19:28:28
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 562.5

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
Dibenzofuran	0.688	ND	3.44	ND	6.12 U	ND	
2,3,5,6-Tetrachlorophenol	0.761	ND	3.81	ND	6.76	ND	
2,3,4,6-Tetrachlorophenol	0.701	ND	3.51	ND	6.23	ND	
Diethlyphthalate	1.02	ND	5.10	ND	9.07	ND	
4-Chlorophenyl-phenylether	0.754	ND	3.77	ND	6.70	ND	
Fluorene	0.783	ND	3.92	ND	6.96	ND	
4-Nitroaniline	0.694	ND	3.47	ND	6.17	ND	
4,6-Dinitro2-methylphenol	5.00	ND	25.0	ND	44.4	ND	
N-Nitrosodiphenylamine (CCC)	0.716	ND	3.58	ND	6.36	ND	
Azobenzene	0.991	ND	4.96	ND	8.81	ND	
4-Bromophenyl-phenylether	0.671	ND	3.36	ND	5.96	ND	
Hexachlorobenzene	0.546	ND	2.73	ND	4.85	ND	
Pentachlorophenol (CCC)	5.00	ND	25.0	ND	44.4	ND	
Phenanthrene	0.771	ND	3.86	ND	6.85	ND	
Anthracene	0.760	ND	3.80	ND	6.76	ND	
Carbazole	0.705	ND	3.53	ND	6.27	ND	
Di-n-butylphthalate	1.04	ND	5.20	ND	9.24	ND	
Fluoranthene (CCC)	0.919	ND	4.60	ND	8.17	ND	
Benzidine	22.8	ND	114	ND	203	ND	
Pyrene	0.937	ND	4.69	ND	8.33	ND	
4-Dimethylaminoazobenzene	5.00	ND	25.0	ND	44.4	ND	
Butylbenzylphthalate	0.810	ND	4.05	ND	7.20	ND	
3,3-Dimethylbenzidine	10.8	ND	54.0	ND	96.0	ND	
bis(2-Ethylhexyl)adipate	0.874	ND	4.37	ND	7.77	ND	
3,3-Dimethoxybenzidine	5.00	ND	25.0	ND	44.4	ND	
bis(2-Ethylhexyl)phthalate	1.74	ND	8.70	ND	15.5	ND	
3,3'-Dichlorobenzidine	5.00	ND	25.0	ND	44.4	ND	
Benzo(a)anthracene	0.550	ND	2.75	ND	4.89	ND	
Chrysene	0.556	ND	2.78	ND	4.94	ND	
Di-n-octylphthalate (CCC)	0.644	ND	3.22	ND	5.72	ND	
7,12-Dimethylbenz(a)anthracene	5.00	ND	25.0	ND	44.4	ND	
Benzo(b)fluoranthene	0.300	ND	1.50	ND	2.67	ND	
Benzo(k)fluoranthene	0.356	ND	1.78	ND	3.16	ND	
Benzo(e)pyrene	0.340	ND	1.70	ND	3.02	ND	
Benzo(a)pyrene (CCC)	0.340	ND	1.70	ND	3.02	ND	
Perylene	0.340	ND	1.70	ND	3.02	ND	
3-Methylcholanthrene	5.00	ND	25.0	ND	44.4	ND	
Indeno(1,2,3-cd)pyrene	0.300	ND	1.50	ND	2.67	ND	
Dibenz(a,h)anthracene	0.425	ND	2.13	ND	3.78	ND	
Benzo(g,h,i)perylene	0.352	ND	1.76	ND	3.13	ND	
Dibenzo(a,e)pyrene	5.00	ND	25.0	ND	44.4	ND	

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-Smoke-PM-072719
Sample Info	: 0719-205; Can #0797; 500mL load
Data File	: X1902709.D
Dilution	: 1
Pressurization Factor	: 1.805
Acquisition Date	: 2019-07-30 05:29:45
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	8.26	0.0692	0.0632	14.2	0.119	0.109	
Freon 12 (CCl2F2)	0.477	0.0705	0.0632	2.36	0.348	0.312	
Freon 114 (C2Cl2F4)	ND	0.0723	0.0632	~~ND*~~	0.505 U	0.442	
Chloromethane	5.60	0.0704	0.0632	11.6	0.145	0.130	
Chloroethene (Vinyl chloride)	ND	0.0726	0.0632	~~ND~~	0.186 U	0.161	
1,3-Butadiene	1.00	0.0705	0.0632	2.21	0.156	0.140	
Bromomethane	ND	0.0714	0.0632	~~ND~~	0.277 U	0.245	
Chloroethane	0.105	0.0728	0.0632	0.276	0.192	0.167	m
Bromoethene (Vinyl bromide)	ND	0.0720	0.0632	~~ND~~	0.315 U	0.276	
Freon 11 (CCl3F)	0.227	0.0749	0.0632	1.28	0.421	0.355	
Ethanol	1.36	0.181	0.181	2.56	0.340	0.340	
Acrolein	0.516	0.0717	0.0632	1.18	0.164	0.145	m
Freon 113 (C2Cl3F3)	0.0753	0.0718	0.0632	0.577	0.551	0.484	
1,1-Dichloroethene	ND	0.0723	0.0632	~~ND~~	0.287 U	0.250	
Acetone	6.78	0.0726	0.0632	16.1	0.172	0.150	
Carbon disulfide	0.130	0.0725	0.0632	0.405 J+	0.226	0.197	
Isopropyl alcohol	0.194	0.0725	0.0632	0.478	0.178	0.155	
Allyl chloride (3-chloropropene)	ND	0.0726	0.0632	~~ND~~	0.227 U	0.198	
Acetonitrile	0.969	0.0726	0.0632	1.63	0.122	0.106	
Methylene chloride	0.187	0.0731	0.0632	0.651 J+	0.254	0.219	
trans-1,2-Dichloroethene	ND	0.0736	0.0632	~~ND~~	0.292 U	0.250	
Methyl tert-butyl ether	ND	0.0739	0.0632	~~ND~~	0.267 U	0.228	
Acrylonitrile	0.0932	0.0738	0.0632	0.202	0.160	0.137	
Hexane	0.407	0.0730	0.0632	1.43	0.257	0.223	
1,1-Dichloroethane	ND	0.0711	0.0632	~~ND~~	0.288 U	0.256	
Vinyl acetate	ND	0.0734	0.0632	~~ND~~	0.259	0.222	
cis-1,2-Dichloroethene	ND	0.0727	0.0632	~~ND~~	0.288	0.250	
Methyl ethyl ketone (2-Butanone)	0.533	0.0734	0.0632	1.57	0.216	0.186	
Ethyl acetate	ND	0.0727	0.0632	~~ND~~	0.262 U	0.228	
Chloroform	ND	0.0730	0.0632	~~ND~~	0.356 U	0.308	
Tetrahydrofuran	0.270	0.0728	0.0632	0.796	0.215	0.186	
1,1,1-Trichloroethane	ND	0.0718	0.0632	~~ND~~	0.392 U	0.345	
Cyclohexane	ND	0.0734	0.0632	~~ND~~	0.253 U	0.217	
Carbon tetrachloride	0.0741	0.0731	0.0632	0.466	0.460	0.397	
Benzene	4.73	0.0721	0.0632	15.1	0.230	0.202	
2,2,4-trimethylpentane	ND	0.0740	0.0632	~~ND~~	0.346 U	0.295	
1,2-Dichloroethane	ND	0.0738	0.0632	~~ND~~	0.299 U	0.256	
Heptane	0.245	0.0726	0.0632	1.00	0.297	0.259	
Trichloroethene	ND	0.0725	0.0632	~~ND~~	0.390 U	0.339	
1,2-Dichloropropane	ND	0.0738	0.0632	~~ND~~	0.341 U	0.292	
Methyl methacrylate	0.209	0.0749	0.0632	0.857	0.307	0.259	
1,4-Dioxane	0.104	0.0730	0.0632	0.374	0.263	0.228	
Bromodichloromethane	ND	0.0717	0.0632	~~ND~~	0.480 U	0.423	
cis-1,3-Dichloropropene	ND	0.0710	0.0632	~~ND~~	0.322	0.287	
Methyl isobutyl ketone	ND	0.0744	0.0632	~~ND~~	0.305	0.259	
Toluene	2.02	0.0734	0.0632	7.60	0.276	0.238	
trans-1,3-Dichloropropene	ND	0.0734	0.0632	~~ND~~	0.333 U	0.287	
1,1,2-Trichloroethane	ND	0.0723	0.0632	~~ND~~	0.395	0.345	
Tetrachloroethene	ND	0.0728	0.0632	~~ND~~	0.494	0.428	
2-Hexanone (Methyl butyl ketone)	ND	0.0734	0.0632	~~ND~~	0.300	0.259	
Dibromochloromethane	ND	0.0713	0.0632	~~ND~~	0.607	0.538	
1,2-Dibromoethane	ND	0.0731	0.0632	~~ND~~	0.562	0.485	
Chlorobenzene	ND	0.0743	0.0632	~~ND~~	0.342	0.291	
Ethylbenzene	1.35	0.0710	0.0632	5.86	0.308	0.274	
1,1,1,2-Tetrachloroethane	ND	0.0722	0.0632	~~ND~~	0.496 U	0.434	
m-/p-Xylenes	0.383	0.0731	0.0632	1.66	0.318	0.274	

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-AS-Smoke-PM-072719
Sample Info	: 0719-205; Can #0797; 500mL load
Data File	: X1902709.D
Dilution	: 1
Pressurization Factor	: 1.805
Acquisition Date	: 2019-07-30 05:29:45
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	0.175	0.0721	0.0632	0.759	0.313	0.274	
Styrene	2.03	0.0703	0.0632	8.66	0.300	0.269	
Bromoform	ND	0.0725	0.0632	ND	0.749 U	0.653	
1,1,2,2-Tetrachloroethane	ND	0.0722	0.0632	ND	0.496	0.434	
4-Ethyltoluene	ND	0.0727	0.0632	ND	0.357	0.311	
2-Chlorotoluene	ND	0.0727	0.0632	ND	0.376	0.327	
1,3,5-Trimethylbenzene	ND	0.0724	0.0632	ND	0.356	0.311	
1,2,4-Trimethylbenzene	0.0841	0.0718	0.0632	0.414	0.353	0.311	m
1,3-Dichlorobenzene	ND	0.0728	0.0632	ND	0.438 U	0.380	
1,4-Dichlorobenzene	ND	0.0724	0.0632	ND	0.435	0.380	
Benzyl chloride	ND	0.0721	0.0632	ND	0.373	0.327	
1,2-Dichlorobenzene	ND	0.0736	0.0632	ND	0.442	0.380	
1,2,4-Trichlorobenzene	ND	0.0733	0.0632	ND	0.544	0.469	
Hexachlorobutadiene	ND	0.0723	0.0632	ND	0.772	0.674	
Naphthalene	0.102	0.0747	0.0632	0.537	0.392	0.331	
1-Bromopropane	ND	0.0713	0.0632	ND	0.359 U	0.318	
1-Octene	ND	0.0706	0.0632	ND	0.324 U	0.290	
n-Octane	0.120	0.0723	0.0632	0.562	0.338	0.295	m
Isopropylbenzene	0.217	0.0733	0.0632	1.06	0.360	0.311	
n-Propylbenzene	ND	0.0734	0.0632	~~ND~~	0.361 U	0.311	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	976,965	11.93	5.00	PASS
1,4-Difluorobenzene (IS)	3,519,818	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,850,934	17.86	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name : ACF-AS-SMOKE-PM-072719
Sample Info : 0719-205
Data File : W1900514.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 20:31:41
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 438.3

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
N-Nitrosodimethylamine	0.772	ND	3.86	ND	8.81 U	ND	
Pyridine	1.50	ND	7.50	ND	17.1	ND	
Phenol (CCC)	0.649	ND	3.25	ND	7.40	ND	
Aniline	0.694	ND	3.47	ND	7.92	ND	
bis(2-Chloroethyl)ether	0.788	ND	3.94	ND	8.99	ND	
2-Chlorophenol	0.624	ND	3.12	ND	7.12	ND	
1,3-Dichlorobenzene	0.558	ND	2.79	ND	6.37	ND	
1,4-Dichlorobenzene (CCC)	0.528	ND	2.64	ND	6.02	ND	
Benzyl alcohol	0.700	ND	3.50	ND	7.99	ND	
1,2-Dichlorobenzene	0.558	ND	2.79	ND	6.37	ND	
2-Methylphenol	0.677	ND	3.39	ND	7.72	ND	
bis(2-Chloroisopropyl) ether	0.982	ND	4.91	ND	11.2	ND	
3/4-Methylphenol	0.591	ND	2.96	ND	6.74	ND	
N-Nitroso-di-n-propylamine (SPCC)	0.832	ND	4.16	ND	9.49	ND	
o-Toluidine	5.00	ND	25.0	ND	57.0	ND	
Hexachloroethane	0.632	ND	3.16	ND	7.21	ND	
Nitrobenzene	0.816	ND	4.08	ND	9.31	ND	
Isophorone	0.748	ND	3.74	ND	8.53	ND	
2,4-Dimethylphenol	0.729	ND	3.65	ND	8.32	ND	
2-Nitrophenol (CCC)	0.669	ND	3.35	ND	7.63	ND	
Benzoic acid	5.00	ND	25.0	ND	57.0	ND	
bis(2-Chloroethoxy)methane	0.732	ND	3.66	ND	8.35	ND	
2,4-Dichlorophenol (CCC)	0.652	ND	3.26	ND	7.44	ND	
a,a-Dimethylphenethylamine	5.00	ND	25.0	ND	57.0	ND	
1,2,4-Trichlorobenzene	0.617	ND	3.09	ND	7.04	ND	
Naphthalene	0.665	ND	3.33	ND	7.59	ND	
4-Chloroaniline	0.849	ND	4.25	ND	9.69	ND	
Hexachlorobutadiene (CCC)	0.609	ND	3.05	ND	6.95	ND	
Quinoline	1.00	ND	5.00	ND	11.4	ND	
1,4-Phenylenediamine	5.00	ND	25.0	ND	57.0	ND	
4-Chloro-3 methylphenol (CCC)	0.661	ND	3.31	ND	7.54	ND	
2-Methylnaphthalene	0.618	ND	3.09	ND	7.05	ND	
1-Methylnaphthalene	0.613	ND	3.07	ND	6.99	ND	
Hexachlorocyclopentadiene (SPCC)	8.12	ND	40.6	ND	92.6	ND	
2,4,6-Trichlorophenol (CCC)	0.738	ND	3.69	ND	8.42	ND	
2,4,5-Trichlorophenol	0.541	ND	2.71	ND	6.17	ND	
Biphenyl	5.00	ND	25.0	ND	57.0	ND	
2-Chloronaphthalene	0.652	ND	3.26	ND	7.44	ND	
2-Nitroaniline	0.966	ND	4.83	ND	11.0	ND	
1,4-Dinitrobenzene	0.672	ND	3.36	ND	7.67	ND	
Dimethylphthalate	0.809	ND	4.05	ND	9.23	ND	
1,3-Dinitrobenzene	0.819	ND	4.10	ND	9.34	ND	
2,6-Dinitrotoluene	0.775	ND	3.88	ND	8.84	ND	
1,2-Dinitrobenzene	0.777	ND	3.89	ND	8.86	ND	
Acenaphthylene	0.675	ND	3.38	ND	7.70	ND	
3-Nitroaniline	0.816	ND	4.08	ND	9.31	ND	
Acenaphthene (CCC)	0.934	ND	4.67	ND	10.7	ND	
2,4-Dinitrophenol (SPCC)	5.00	ND	25.0	ND	57.0	ND	
4-Nitrophenol (SPCC)	5.00	ND	25.0	ND	57.0	ND	
2,4-Dinitrotoluene	0.804	ND	4.02	ND	9.17	ND	

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name : ACF-AS-SMOKE-PM-072719
Sample Info : 0719-205
Data File : W1900514.D
Dilution : 1
Extract Volume : 5.00
Acquisition Date : 2019-07-31 20:31:41
Instrument Method : RXI-M8270.M
Matrix : LIQUID

Air Sampling Volume (L): 438.3

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
Dibenzofuran	0.688	ND	3.44	ND	7.85 U	ND	
2,3,5,6-Tetrachlorophenol	0.761	ND	3.81	ND	8.68	ND	
2,3,4,6-Tetrachlorophenol	0.701	ND	3.51	ND	8.00	ND	
Diethlyphthalate	1.02	ND	5.10	ND	11.6	ND	
4-Chlorophenyl-phenylether	0.754	ND	3.77	ND	8.60	ND	
Fluorene	0.783	ND	3.92	ND	8.93	ND	
4-Nitroaniline	0.694	ND	3.47	ND	7.92	ND	
4,6-Dinitro2-methylphenol	5.00	ND	25.0	ND	57.0	ND	
N-Nitrosodiphenylamine (CCC)	0.716	ND	3.58	ND	8.17	ND	
Azobenzene	0.991	ND	4.96	ND	11.3	ND	
4-Bromophenyl-phenylether	0.671	ND	3.36	ND	7.65	ND	
Hexachlorobenzene	0.546	ND	2.73	ND	6.23	ND	
Pentachlorophenol (CCC)	5.00	ND	25.0	ND	57.0	ND	
Phenanthrene	0.771	ND	3.86	ND	8.80	ND	
Anthracene	0.760	ND	3.80	ND	8.67	ND	
Carbazole	0.705	ND	3.53	ND	8.04	ND	
Di-n-butylphthalate	1.04	ND	5.20	ND	11.9	ND	
Fluoranthene (CCC)	0.919.	ND	4.60	ND	10.5	ND	
Benzidine	22.8	ND	114	ND	260	ND	
Pyrene	0.937	ND	4.69	ND	10.7	ND	
4-Dimethylaminoazobenzene	5.00	ND	25.0	ND	57.0	ND	
Butylbenzylphthalate	0.810	ND	4.05	ND	9.24	ND	
3,3-Dimethylbenzidine	10.8	ND	54.0	ND	123	ND	
bis(2-Ethylhexyl)adipate	0.874	ND	4.37	ND	9.97	ND	
3,3-Dimethoxybenzidine	5.00	ND	25.0	ND	57.0	ND	
bis(2-Ethylhexyl)phthalate	1.74	ND	8.70	ND	19.8	ND	
3,3'-Dichlorobenzidine	5.00	ND	25.0	ND	57.0	ND	
Benzo(a)anthracene	0.550	ND	2.75	ND	6.27	ND	
Chrysene	0.556	ND	2.78	ND	6.34	ND	
Di-n-octylphthalate (CCC)	0.644	ND	3.22	ND	7.35	ND	
7,12-Dimethylbenz(a)anthracene	5.00	ND	25.0	ND	57.0	ND	
Benzo(b)fluoranthene	0.300	ND	1.50	ND	3.42	ND	
Benzo(k)fluoranthene	0.356	ND	1.78	ND	4.06	ND	
Benzo(e)pyrene	0.340	ND	1.70	ND	3.88	ND	
Benzo(a)pyrene (CCC)	0.340	ND	1.70	ND	3.88	ND	
Perylene	0.340	ND	1.70	ND	3.88	ND	
3-Methylcholanthrene	5.00	ND	25.0	ND	57.0	ND	
Indeno(1,2,3-cd)pyrene	0.300	ND	1.50	ND	3.42	ND	
Dibenz(a,h)anthracene	0.425	ND	2.13	ND	4.85	ND	
Benzo(g,h,i)perylene	0.352	ND	1.76	ND	4.02	ND	
Dibenzo(a,e)pyrene	5.00	ND	25.0	ND	57.0	ND	

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**

08/08/19

Quantitation Report

Enthalpy Analytical, LLC

Sample Name	: ACF-Blank
Sample Info	: 0719-205; Can #0821; 500mL load
Data File	: X1902705.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-07-30 01:44:58
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
Propylene	ND	0.0384	0.0350	ND	0.0660 U	0.0602	
Freon 12 (CCl2F2)	ND	0.0390	0.0350	ND	0.193	0.173	
Freon 114 (C2Cl2F4)	ND	0.0400	0.0350	ND	0.280	0.245	
Chloromethane	ND	0.0390	0.0350	ND	0.0805	0.0723	
Chloroethene (Vinyl chloride)	ND	0.0402	0.0350	ND	0.103	0.0895	
1,3-Butadiene	ND	0.0391	0.0350	ND	0.0865	0.0774	
Bromomethane	ND	0.0396	0.0350	ND	0.154	0.136	
Chloroethane	ND	0.0403	0.0350	ND	0.106	0.0924	
Bromoethene (Vinyl bromide)	ND	0.0399	0.0350	ND	0.174	0.153	
Freon 11 (CCl3F)	ND	0.0415	0.0350	ND	0.233	0.197	
Ethanol	ND	0.100	0.100	ND	0.188	0.188	
Acrolein	ND	0.0397	0.0350	ND	0.0911	0.0803	
Freon 113 (C2Cl3F3)	ND	0.0398	0.0350	ND	0.305	0.268	
1,1-Dichloroethene	ND	0.0400	0.0350	ND	0.159	0.139	
Acetone	ND	0.0402	0.0350	ND	0.0955	0.0831	
Carbon disulfide	ND	0.0402	0.0350	ND	0.125	0.109	
Isopropyl alcohol	ND	0.0402	0.0350	ND	0.0987	0.0860	
Allyl chloride (3-chloropropene)	ND	0.0402	0.0350	ND	0.126	0.110	
Acetonitrile	ND	0.0402	0.0350	ND	0.0675	0.0588	
Methylene chloride	0.0461	0.0405	0.0350	0.160 J+	0.141	0.122	
trans-1,2-Dichloroethene	ND	0.0408	0.0350	ND	0.162 U	0.139	
Methyl tert-butyl ether	ND	0.0410	0.0350	ND	0.148	0.126	
Acrylonitrile	ND	0.0409	0.0350	ND	0.0887	0.0760	
Hexane	ND	0.0404	0.0350	ND	0.143	0.123	
1,1-Dichloroethane	ND	0.0394	0.0350	ND	0.159	0.142	
Vinyl acetate	ND	0.0407	0.0350	ND	0.143	0.123	
cis-1,2-Dichloroethene	ND	0.0403	0.0350	ND	0.160	0.139	
Methyl ethyl ketone (2-Butanone)	ND	0.0406	0.0350	ND	0.120	0.103	
Ethyl acetate	ND	0.0403	0.0350	ND	0.145	0.126	
Chloroform	ND	0.0404	0.0350	ND	0.197	0.171	
Tetrahydrofuran	ND	0.0404	0.0350	ND	0.119	0.103	
1,1,1-Trichloroethane	ND	0.0398	0.0350	ND	0.217	0.191	
Cyclohexane	ND	0.0407	0.0350	ND	0.140	0.120	
Carbon tetrachloride	ND	0.0405	0.0350	ND	0.255	0.220	
Benzene	ND	0.0399	0.0350	ND	0.128	0.112	
2,2,4-trimethylpentane	ND	0.0410	0.0350	ND	0.192	0.164	
1,2-Dichloroethane	ND	0.0409	0.0350	ND	0.165	0.142	
Heptane	ND	0.0402	0.0350	ND	0.165	0.143	
Trichloroethene	ND	0.0402	0.0350	ND	0.216	0.188	
1,2-Dichloropropane	ND	0.0409	0.0350	ND	0.189	0.162	
Methyl methacrylate	ND	0.0415	0.0350	ND	0.170	0.143	
1,4-Dioxane	ND	0.0404	0.0350	ND	0.146	0.126	
Bromodichloromethane	ND	0.0397	0.0350	ND	0.266	0.235	
cis-1,3-Dichloropropene	ND	0.0393	0.0350	ND	0.178	0.159	
Methyl isobutyl ketone	ND	0.0412	0.0350	ND	0.169	0.143	
Toluene	ND	0.0406	0.0350	ND	0.153	0.132	
trans-1,3-Dichloropropene	ND	0.0406	0.0350	ND	0.184	0.159	
1,1,2-Trichloroethane	ND	0.0401	0.0350	ND	0.219	0.191	
Tetrachloroethene	ND	0.0404	0.0350	ND	0.274	0.237	
2-Hexanone (Methyl butyl ketone)	ND	0.0406	0.0350	ND	0.166	0.143	
Dibromochloromethane	ND	0.0395	0.0350	ND	0.336	0.298	
1,2-Dibromoethane	ND	0.0405	0.0350	ND	0.311	0.269	
Chlorobenzene	ND	0.0412	0.0350	ND	0.189	0.161	
Ethylbenzene	ND	0.0394	0.0350	ND	0.171	0.152	
1,1,1,2-Tetrachloroethane	ND	0.0400	0.0350	ND	0.275	0.240	
m-/p-Xylenes	ND	0.0405	0.0350	ND	0.176	0.152	

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Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-Blank
Sample Info	: 0719-205; Can #0821; 500mL load
Data File	: X1902705.D
Dilution	: 1
Pressurization Factor	: 1.000
Acquisition Date	: 2019-07-30 01:44:58
Instrument Method	: TO15-SCN.M
Matrix	: AIR

Target Compound	Concentration (PPBV)	RL (PPBV)	MDL (PPBV)	Concentration (ug/m3)	RL (ug/m3)	MDL (ug/m3)	Flag *
o-Xylene	ND	0.0400	0.0350	ND	0.174 U	0.152	
Styrene	ND	0.0390	0.0350	ND	0.166	0.149	
Bromoform	ND	0.0402	0.0350	ND	0.415	0.362	
1,1,2,2-Tetrachloroethane	ND	0.0400	0.0350	ND	0.275	0.240	
4-Ethyltoluene	ND	0.0403	0.0350	ND	0.198	0.172	
2-Chlorotoluene	ND	0.0403	0.0350	ND	0.209	0.181	
1,3,5-Trimethylbenzene	ND	0.0401	0.0350	ND	0.197	0.172	
1,2,4-Trimethylbenzene	ND	0.0398	0.0350	ND	0.195	0.172	
1,3-Dichlorobenzene	ND	0.0404	0.0350	ND	0.243	0.210	
1,4-Dichlorobenzene	ND	0.0401	0.0350	ND	0.241	0.210	
Benzyl chloride	ND	0.0399	0.0350	ND	0.207	0.181	
1,2-Dichlorobenzene	ND	0.0408	0.0350	ND	0.245	0.210	
1,2,4-Trichlorobenzene	ND	0.0406	0.0350	ND	0.301	0.260	
Hexachlorobutadiene	ND	0.0401	0.0350	ND	0.427	0.373	
Naphthalene	ND	0.0414	0.0350	ND	0.217	0.183	
1-Bromopropane	ND	0.0395	0.0350	ND	0.199	0.176	
1-Octene	ND	0.0391	0.0350	ND	0.180	0.161	
n-Octane	ND	0.0401	0.0350	ND	0.187	0.164	
Isopropylbenzene	ND	0.0406	0.0350	ND	0.200	0.172	
n-Propylbenzene	ND	0.0407	0.0350	ND	0.200	0.172	

Internal Standards	Response	Retention Time (min)	Concentration (PPBV)	Flag *
Bromochloromethane (IS)	952,374	11.93	5.00	PASS
1,4-Difluorobenzene (IS)	3,413,584	13.69	5.04	PASS
Chlorobenzene-d5 (IS)	2,676,004	17.87	4.80	PASS

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**
IS Acceptance Criteria: RT +/- 20 sec, Response +/- 40%

08/08/19

Quantitation Report **Enthalpy Analytical, LLC**

Sample Name	: ACF-BLANK-TUBE
Sample Info	: 0719-205
Data File	: W1900509.D
Dilution	: 1
Extract Volume	: 5.00
Acquisition Date	: 2019-07-31 17:53:29
Instrument Method	: RXI-M8270.M
Matrix	: LIQUID

Air Sampling Volume (L): 439.4

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
N-Nitrosodimethylamine	0.772	ND	3.86	ND	8.78 4	ND	
Pyridine	1.50	ND	7.50	ND	17.1	ND	
Phenol (CCC)	0.649	ND	3.25	ND	7.39	ND	
Aniline	0.694	ND	3.47	ND	7.90	ND	
bis(2-Chloroethyl)ether	0.788	ND	3.94	ND	8.97	ND	
2-Chlorophenol	0.624	ND	3.12	ND	7.10	ND	
1,3-Dichlorobenzene	0.558	ND	2.79	ND	6.35	ND	
1,4-Dichlorobenzene (CCC)	0.528	ND	2.64	ND	6.01	ND	
Benzyl alcohol	0.700	ND	3.50	ND	7.97	ND	
1,2-Dichlorobenzene	0.558	ND	2.79	ND	6.35	ND	
2-Methylphenol	0.677	ND	3.39	ND	7.70	ND	
bis(2-Chloroisopropyl) ether	0.982	ND	4.91	ND	11.2	ND	
3/4-Methylphenol	0.591	ND	2.96	ND	6.73	ND	
N-Nitroso-di-n-propylamine (SPCC)	0.832	ND	4.16	ND	9.47	ND	
o-Toluidine	5.00	ND	25.0	ND	56.9	ND	
Hexachloroethane	0.632	ND	3.16	ND	7.19	ND	
Nitrobenzene	0.816	ND	4.08	ND	9.29	ND	
Isophorone	0.748	ND	3.74	ND	8.51	ND	
2,4-Dimethylphenol	0.729	ND	3.65	ND	8.30	ND	
2-Nitrophenol (CCC)	0.669	ND	3.35	ND	7.61	ND	
Benzoic acid	5.00	ND	25.0	ND	56.9	ND	
bis(2-Chloroethoxy)methane	0.732	ND	3.66	ND	8.33	ND	
2,4-Dichlorophenol (CCC)	0.652	ND	3.26	ND	7.42	ND	
a,a-Dimethylphenethylamine	5.00	ND	25.0	ND	56.9	ND	
1,2,4-Trichlorobenzene	0.617	ND	3.09	ND	7.02	ND	
Naphthalene	0.665	ND	3.33	ND	7.57	ND	
4-Chloroaniline	0.849	ND	4.25	ND	9.66	ND	
Hexachlorobutadiene (CCC)	0.609	ND	3.05	ND	6.93	ND	
Quinoline	1.00	ND	5.00	ND	11.4	ND	
1,4-Phenylenediamine	5.00	ND	25.0	ND	56.9	ND	
4-Chloro-3 methylphenol (CCC)	0.661	ND	3.31	ND	7.52	ND	
2-Methylnaphthalene	0.618	ND	3.09	ND	7.03	ND	
1-Methylnaphthalene	0.613	ND	3.07	ND	6.98	ND	
Hexachlorocyclopentadiene (SPCC)	8.12	ND	40.6	ND	92.4	ND	
2,4,6-Trichlorophenol (CCC)	0.738	ND	3.69	ND	8.40	ND	
2,4,5-Trichlorophenol	0.541	ND	2.71	ND	6.16	ND	
Biphenyl	5.00	ND	25.0	ND	56.9	ND	
2-Chloronaphthalene	0.652	ND	3.26	ND	7.42	ND	
2-Nitroaniline	0.966	ND	4.83	ND	11.0	ND	
1,4-Dinitrobenzene	0.672	ND	3.36	ND	7.65	ND	
Dimethylphthalate	0.809	ND	4.05	ND	9.21	ND	
1,3-Dinitrobenzene	0.819	ND	4.10	ND	9.32	ND	
2,6-Dinitrotoluene	0.775	ND	3.88	ND	8.82	ND	
1,2-Dinitrobenzene	0.777	ND	3.89	ND	8.84	ND	
Acenaphthylene	0.675	ND	3.38	ND	7.68	ND	
3-Nitroaniline	0.816	ND	4.08	ND	9.29	ND	
Acenaphthene (CCC)	0.934	ND	4.67	ND	10.6	ND	
2,4-Dinitrophenol (SPCC)	5.00	ND	25.0	ND	56.9	ND	
4-Nitrophenol (SPCC)	5.00	ND	25.0	ND	56.9	ND	
2,4-Dinitrotoluene	0.804	ND	4.02	ND	9.15	ND	

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08/08/19

Quantitation Report

Enthalpy Analytical, LLC

Sample Name	: ACF-BLANK-TUBE
Sample Info	: 0719-205
Data File	: W1900509.D
Dilution	: 1
Extract Volume	: 5.00
Acquisition Date	: 2019-07-31 17:53:29
Instrument Method	: RXI-M8270.M
Matrix	: LIQUID

Air Sampling Volume (L): 439.4

Target Compound	MDL (ug/mL)	Concentration (ug/mL)	MDL (ug)	Catch Weight (ug)	MDL (ug/m³)	Catch Weight (ug/m³)	Flag *
Dibenzofuran	0.688	ND	3.44	ND	7.83 u	ND	
2,3,5,6-Tetrachlorophenol	0.761	ND	3.81	ND	8.66	ND	
2,3,4,6-Tetrachlorophenol	0.701	ND	3.51	ND	7.98	ND	
Diethlyphthalate	1.02	ND	5.10	ND	11.6	ND	
4-Chlorophenyl-phenylether	0.754	ND	3.77	ND	8.58	ND	
Fluorene	0.783	ND	3.92	ND	8.91	ND	
4-Nitroaniline	0.694	ND	3.47	ND	7.90	ND	
4,6-Dinitro2-methylphenol	5.00	ND	25.0	ND	56.9	ND	
N-Nitrosodiphenylamine (CCC)	0.716	ND	3.58	ND	8.15	ND	
Azobenzene	0.991	ND	4.96	ND	11.3	ND	
4-Bromophenyl-phenylether	0.671	ND	3.36	ND	7.64	ND	
Hexachlorobenzene	0.546	ND	2.73	ND	6.21	ND	
Pentachlorophenol (CCC)	5.00	ND	25.0	ND	56.9	ND	
Phenanthrene	0.771	ND	3.86	ND	8.77	ND	
Anthracene	0.760	ND	3.80	ND	8.65	ND	
Carbazole	0.705	ND	3.53	ND	8.02	ND	
Di-n-butylphthalate	1.04	ND	5.20	ND	11.8	ND	
Fluoranthene (CCC)	0.919	ND	4.60	ND	10.5	ND	
Benzidine	22.8	ND	114	ND	259	ND	
Pyrene	0.937	ND	4.69	ND	10.7	ND	
4-Dimethylaminoazobenzene	5.00	ND	25.0	ND	56.9	ND	
Butylbenzylphthalate	0.810	ND	4.05	ND	9.22	ND	
3,3-Dimethylbenzidine	10.8	ND	54.0	ND	123	ND	
bis(2-Ethylhexyl)adipate	0.874	ND	4.37	ND	9.95	ND	
3,3-Dimethoxybenzidine	5.00	ND	25.0	ND	56.9	ND	
bis(2-Ethylhexyl)phthalate	1.74	ND	8.70	ND	19.8	ND	
3,3'-Dichlorobenzidine	5.00	ND	25.0	ND	56.9	ND	
Benzo(a)anthracene	0.550	ND	2.75	ND	6.26	ND	
Chrysene	0.556	ND	2.78	ND	6.33	ND	
Di-n-octylphthalate (CCC)	0.644	ND	3.22	ND	7.33	ND	
7,12-Dimethylbenz(a)anthracene	5.00	ND	25.0	ND	56.9	ND	
Benzo(b)fluoranthene	0.300	ND	1.50	ND	3.41	ND	
Benzo(k)fluoranthene	0.356	ND	1.78	ND	4.05	ND	
Benzo(e)pyrene	0.340	ND	1.70	ND	3.87	ND	
Benzo(a)pyrene (CCC)	0.340	ND	1.70	ND	3.87	ND	
Perylene	0.340	ND	1.70	ND	3.87	ND	
3-Methylcholanthrene	5.00	ND	25.0	ND	56.9	ND	
Indeno(1,2,3-cd)pyrene	0.300	ND	1.50	ND	3.41	ND	
Dibenz(a,h)anthracene	0.425	ND	2.13	ND	4.84	ND	
Benzo(g,h,i)perylene	0.352	ND	1.76	ND	4.01	ND	
Dibenzo(a,e)pyrene	5.00	ND	25.0	ND	56.9	ND	

(ND) = Not Detected
*** (J) = Below Calibration Range, (E) = Above Calibration Range, (m) = Manual Integration**

08/08/19

Enthalpy Analytical

Company: Tetra Tech, Inc.

Job No.: 0719-205 EPA Method TO-11A Analysis -

Site: Able Contracting - Richland, SC

Summary Table - Formaldehyde

Sample ID	Concentration (ug/m3)
ACF-AS-RES-AM-072719 DNPH Tube 7969802213	1.70
ACF-AS-Smoke-AM-072719 DNPH Tube 7969802214	2.50
ACF-AS-RES-PM-072719 DNPH Tube 7969802217	3.04
ACF-AS-Smoke-PM-072719 DNPH Tube 7969802216	6.09
ACF-AS-BKGD-072819 DNPH Tube 7969802215	4.88

Sample ID	Catch Weight (ug)
ACF-Blank-DNPH Tube 7969802212	~~0.0726 J~~ 0.112 U

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08/08/19

Enthalpy Analytical

Job No.: 0719-205 OSHA Method 61 (two-fraction) Analysis

Tetra Tech, Inc. Able Contracting: Richland, SC

Analyst: Daniel Clayton

Summary Table - Phosgene

Sample ID	Concentration (ug/m^3)
ACF-AS-RES-AM-7/28/19 ***HMP Tubes 8123100531 and 8123100530***	3.95 ~~J~~ U
ACF-AS-Smoke-AM-7/28/19 ***HMP Tubes 8123100523 and 8123100529***	3.17 ~~J~~ U
ACF-AS-RES-PM-7/28/19 ***HMP Tubes 8123100526 and 8123100532***	3.94 ~~J~~ U
ACF-AS-Smoke-PM-7/28/19 ***HMP Tubes 8123100528 and 8123100524***	4.27 ~~J~~ U
ACF-AS-BKGD-7/28/19 ***HMP Tubes 8123100527 and 8123100525***	4.31 ~~J~~ U

Sample ID	Catch Weight (ug)
ACF-Blank ***HMP Tubes 8123100608 and 8123100615***	1.61 ~~J~~ U

DAW
08/08/19

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/16/19 19:00** ***To:*** ***8/17/19 6:59***

On Site, Southwest Corner of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	5,334	5	0 - 285 ppb	0.1 ppb	1,000 ppb
	CO	No	5,334	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	5,334	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	5,334	5,334	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	5,334	0	0 - 0%	0%	10%
	HCN	No	5,334	5,188	0 - 0.7 ppm	0.2 ppm	7.1 ppm%

Peacock Collision

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	552	552	2 - 24 µg/m³	4.9 µg/m³	See SOG #: T106

On Site, Northeast Corner of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	2,609	1	0 - 14 ppb	0 ppb	1,000 ppb
	CO	No	2,609	82	0 - 20 ppm	0.2 ppm	83 ppm
	H_2S	No	2,609	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	2,609	2,609	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	2,609	0	0 - 0 %	0%	10%
	HCN	No	2,609	1,824	0 - 1.6 ppm	0.1 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	462	424	0 - 21 µg/m³	6.2 µg/m³	See SOG #: T106

Able Contracting Workshop, Northeast of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	4,141	40	0 - 157 ppb	0.3 ppb	1,000 ppb
	CO	No	4,141	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	4,141	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,141	4,141	20.9 - 21.3%	20.9%	<19.5 or >23%
	LEL	No	4,141	0	0 - 0%	0%	10%
	HCN	No	4,141	3,713	0 - 0.7 ppm	0.1 ppm	7.1 ppm

Grace Costal Church

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	509	509	3 - 8 µg/m³	5.3 µg/m³	See SOG #: T106

Forrest Concrete

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	2,870	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	2,870	51	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	2,870	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	2,870	2,870	20.1 - 20.6%	20.1%	<19.5 or >23%
	LEL	No	2,870	0	0 - 0%	0%	10%
	HCN	No	2,870	0	0 - 0 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	751	468	0 - 59 µg/m³	10.4 µg/m³	See SOG #: T106

Brooke Hill Apartments

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	752	498	0 - 142 µg/m³	9.7 µg/m³	See SOG #: T106

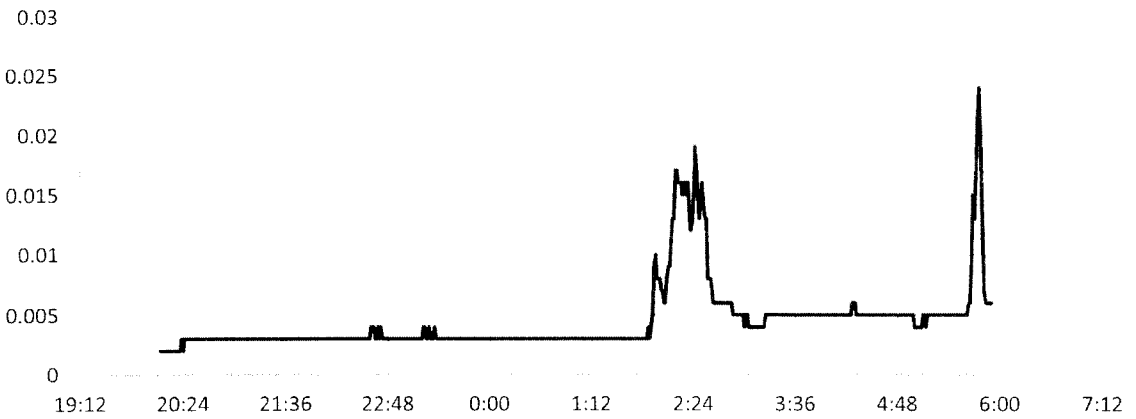
EPA Mobile Command Post

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Good	739	390	0 - 65 µg/m³	9.8 µg/m³	See SOG #: T106

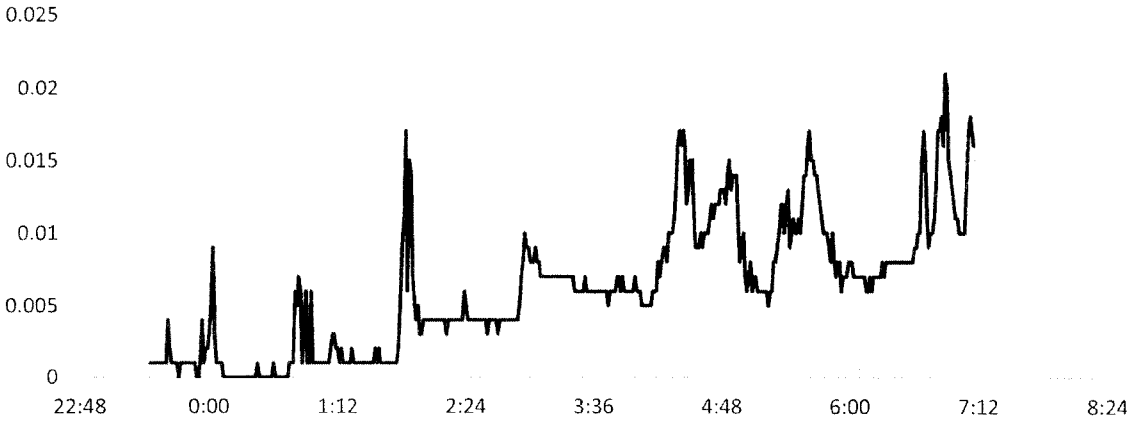
Notes:

%	Percent	O_2	Oxygen
<	Less than	PEL	Permissible exposure limit
>	Greater than	ppb	Parts per billion
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals	ppm	Parts per million
CO	Carbon monoxide	PM	Particulate matter
H_2S	Hydrogen Sulfide	SOG	Standard Operating Guidelines
HCN	Hydrogen Cyanide	TLV	Threshold limit value
LEL	Lower Explosive Level	µg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud

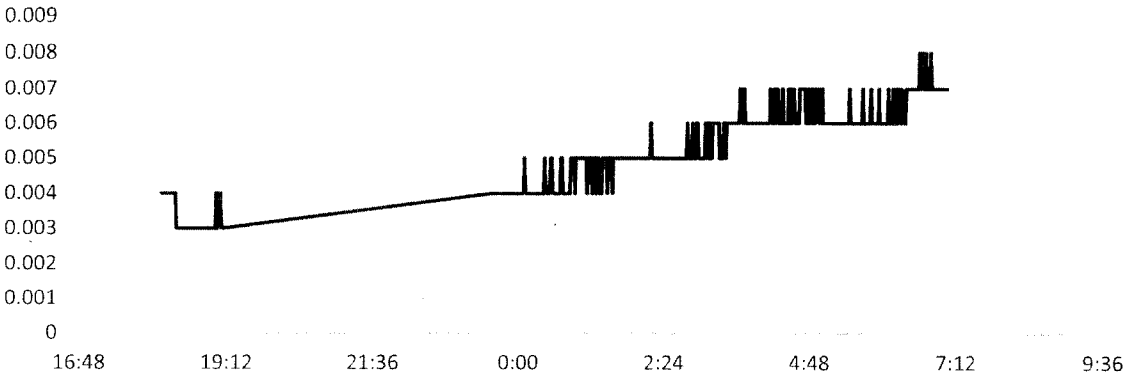
8/16/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



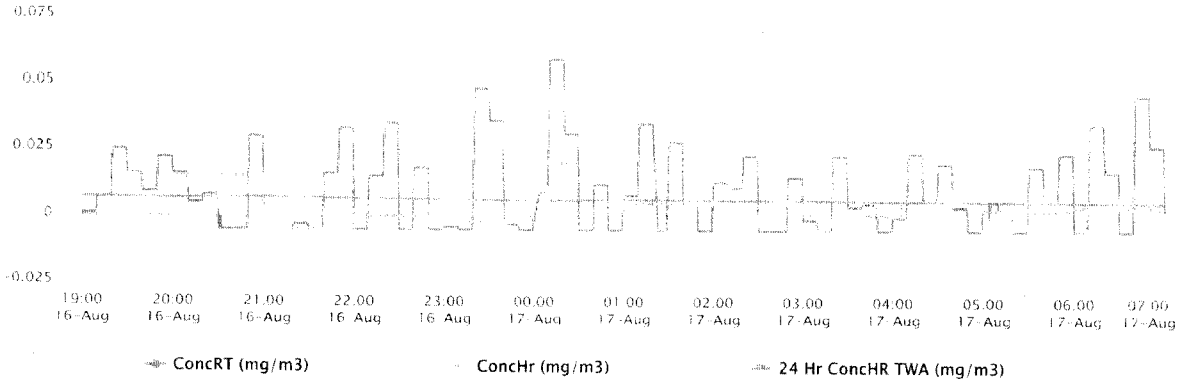
8/16/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) - Short Cut Road



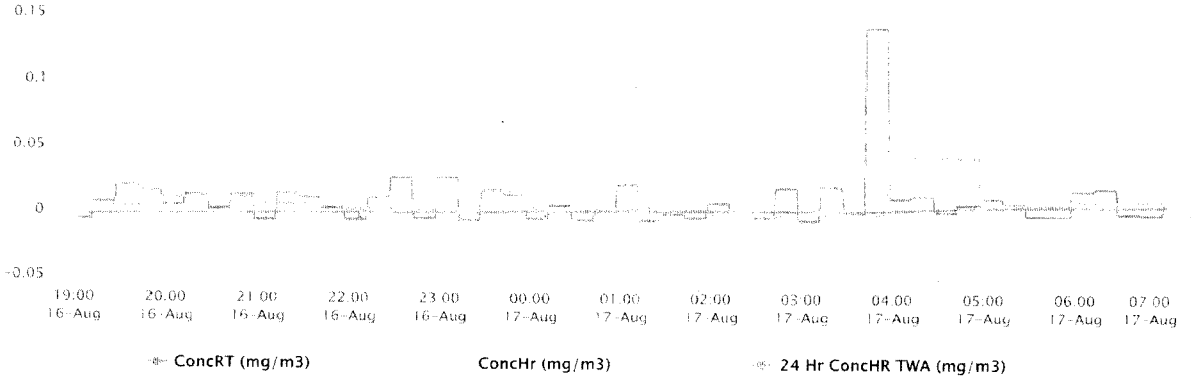
8/16/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) - Grace Coastal Church



8/16/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City

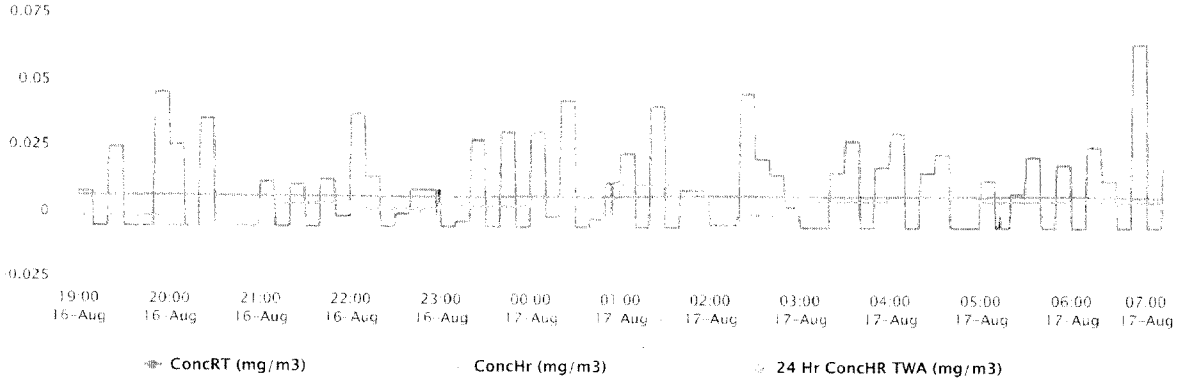


8/16/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments

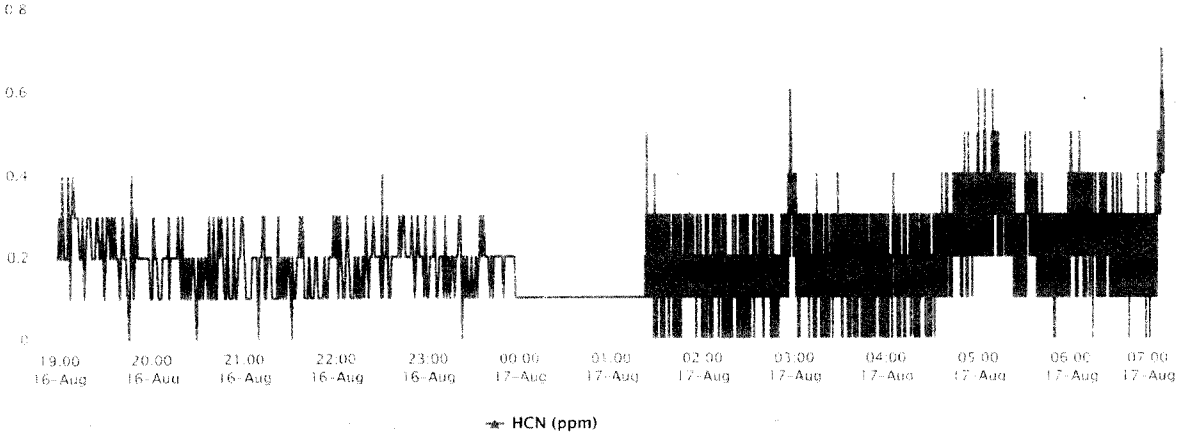


8/16/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post

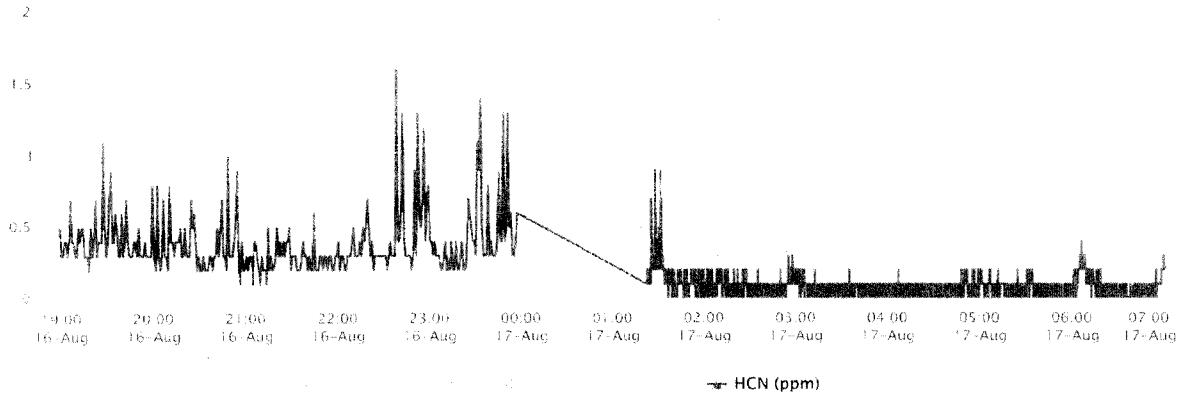
(.132) EBAM



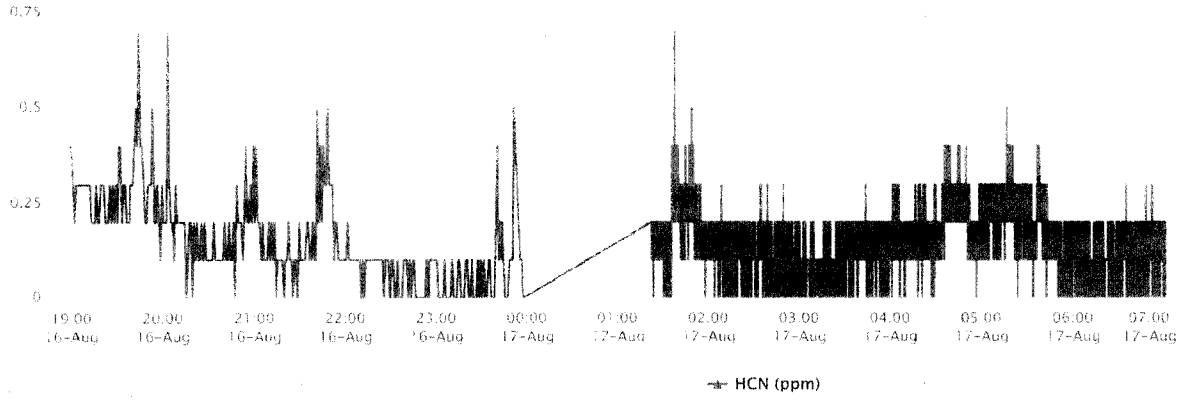
8/16/19 NIGHT Data for AREARAE PRO 1 (HCn) – Southwest of Pile



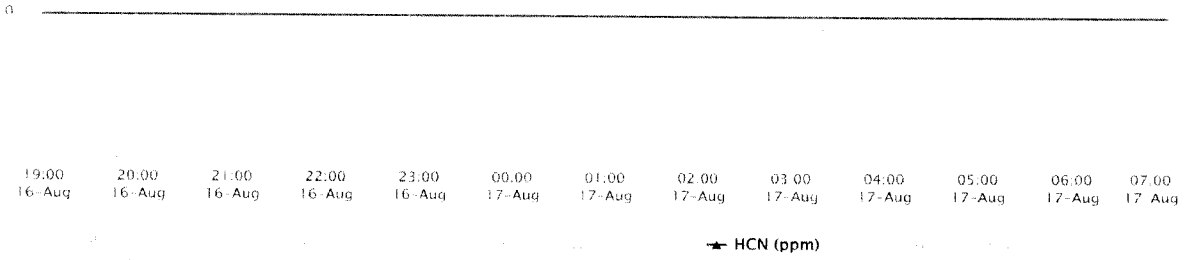
8/16/19 NIGHT Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/16/19 NIGHT Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/16/19 NIGHT Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/17/19 7:00** ***To:*** ***8/17/19 18:59***

On Site, Southwest Corner of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	3,569	89	0 - 683 ppb	4 ppb	1,000 ppb
	CO	No	3,569	70	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	3,569	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	3,569	3,569	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	3,570	0	0 - 0%	0%	10%
	HCN	No	3,569	3,560	0 - 1.1 ppm	0.3 ppm	7.1 ppm%

Peacock Collision

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	735	735	6 - 42 µg/m³	12.5 µg/m³	See SOG #: T106

On Site, Northwest Corner of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	3,569	89	0 - 683 ppb	4 ppb	1,000 ppb
	CO	No	3,569	70	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	3,569	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	3,569	3,569	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	3,570	0	0 - 0 %	0%	10%
	HCN	No	3,569	3,560	0 - 1.1 ppm	0.3 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	335	335	3 - 62 µg/m³	11.8 µg/m³	See SOG #: T106

Able Construction Workshop, Northwest of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	3,043	7	0 - 117 ppb	0.1 ppb	1,000 ppb
	CO	No	3,043	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	3,043	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	3,043	3,043	20.9 - 21.4%	20.9%	<19.5 or >23%
	LEL	No	3,043	0	0 - 0%	0%	10%
	HCN	No	3,043	1,910	0 - 0.9 ppm	0.1 ppm	7.1 ppm

Green Cattle Church

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	303	303	6 - 18 µg/m³	11.2 µg/m³	See SOG #: T106

Forrest Concrete

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	2,711	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	2,711	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	2,711	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	2,711	2,711	20.1 - 20.9%	20.3%	<19.5 or >23%
	LEL	No	2,711	0	0 - 0%	0%	10%
	HCN	No	2,711	0	0 - 0 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	725	501	0 - 64 µg/m³	12.1 µg/m³	See SOG #: T106

Baseline Apartments

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	721	439	0 - 46 µg/m³	7.1 µg/m³	See SOG #: T106

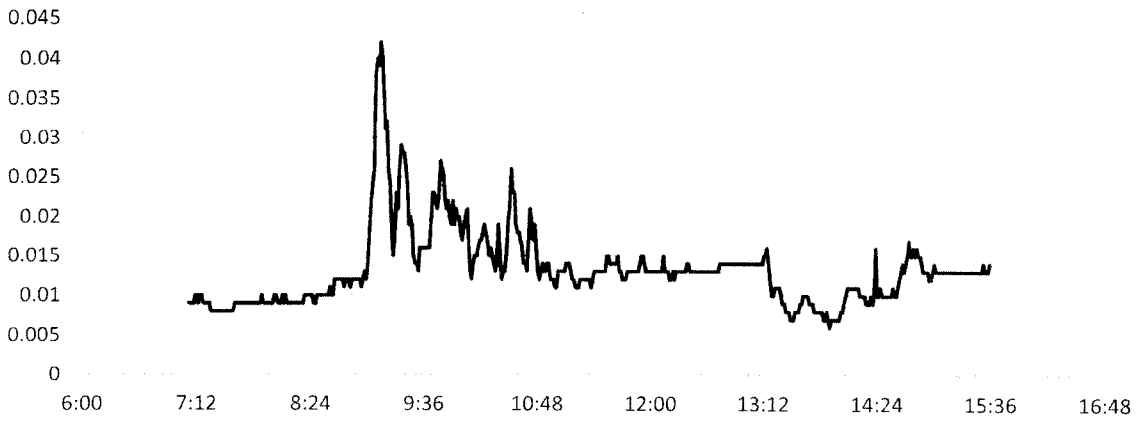
EPA Mobile Command Post

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	742	535	0 - 78 µg/m³	13.8 µg/m³	See SOG #: T106

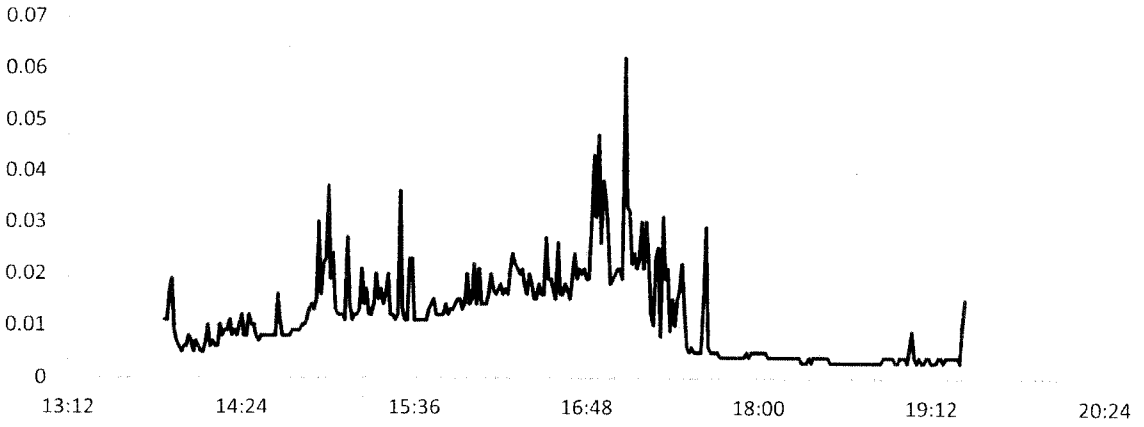
Notes:

%	Percent	O_2	Oxygen
<	Less than	PEL	Permissible exposure limit
>	Greater than	ppb	Parts per billion
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals	ppm	Parts per million
CO	Carbon monoxide	PM	Particulate matter
H_2S	Hydrogen Sulfide	SOG	Standard Operating Guidelines
HCN	Hydrogen Cyanide	TLV	Threshold limit value
LEL	Lower Explosive Level	µg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud

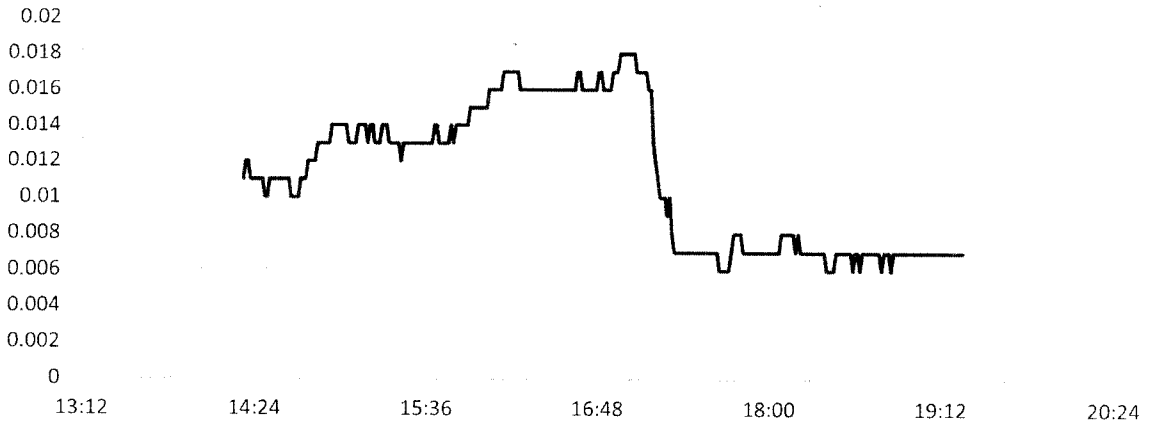
8/17/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



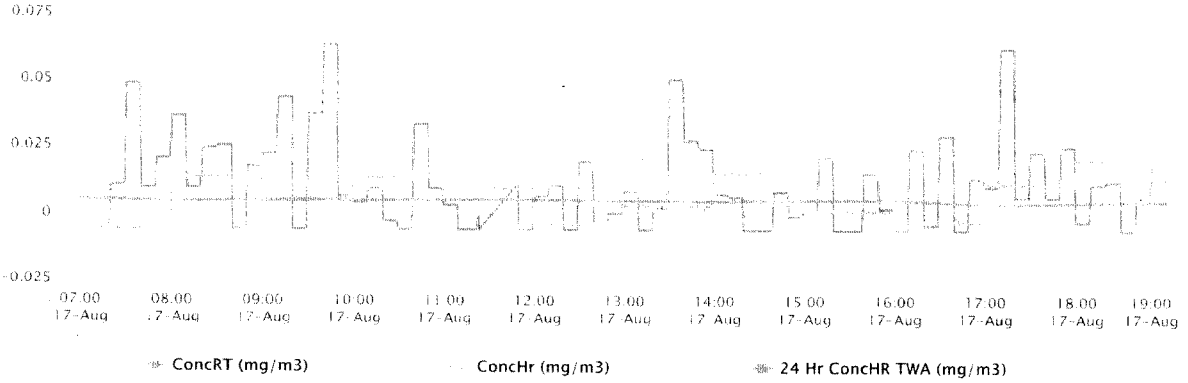
8/17/19 DAY Data for DustTrak 2 ($PM_{2.5}$) - Short Cut Road



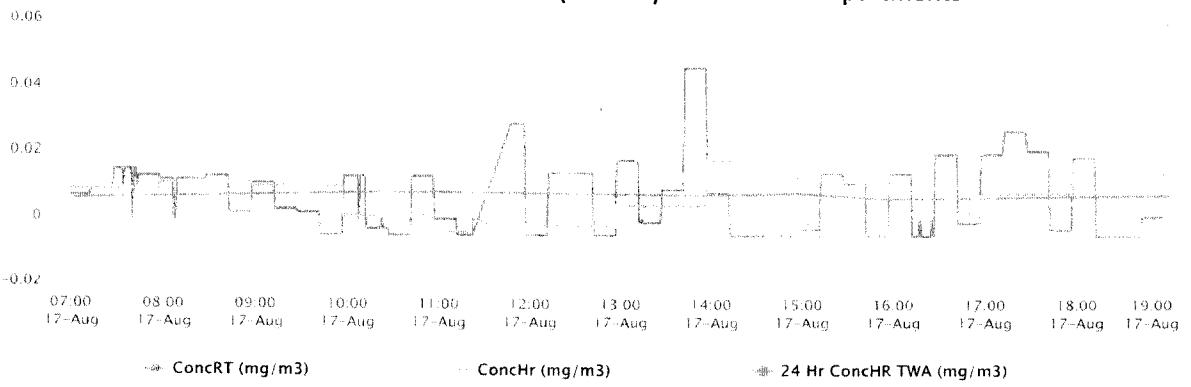
8/17/19 DAY Data for DustTrak 3 ($PM_{2.5}$) - Grace Coastal Church



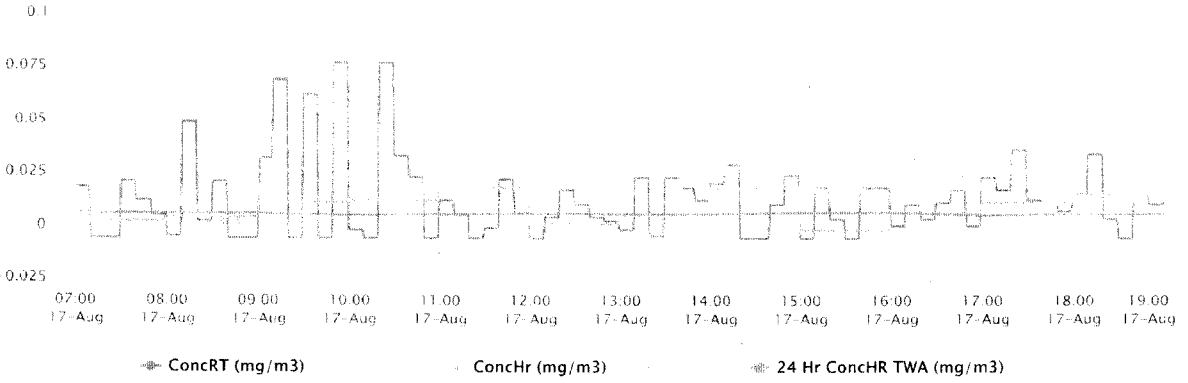
8/17/19 DAY Data for EBAM 1 (ConcRT) – Sun City



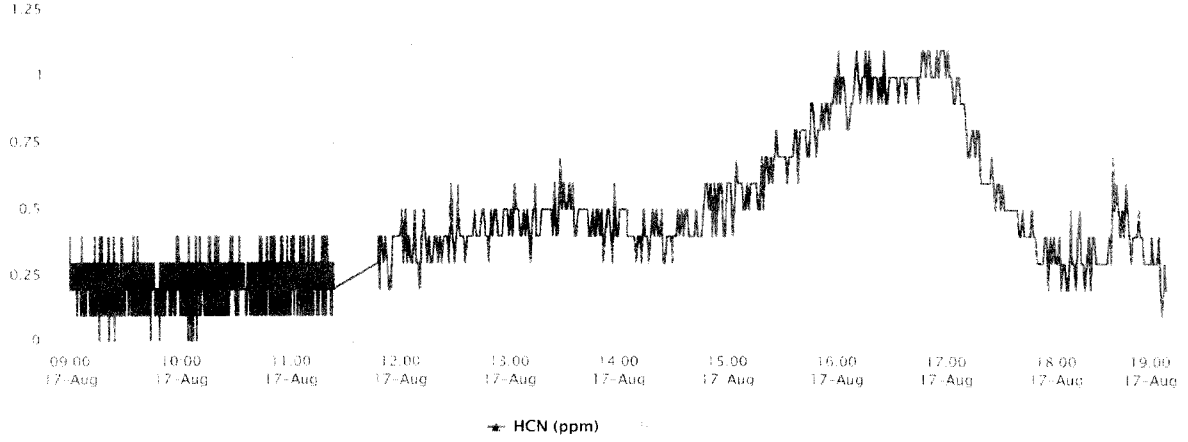
8/17/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



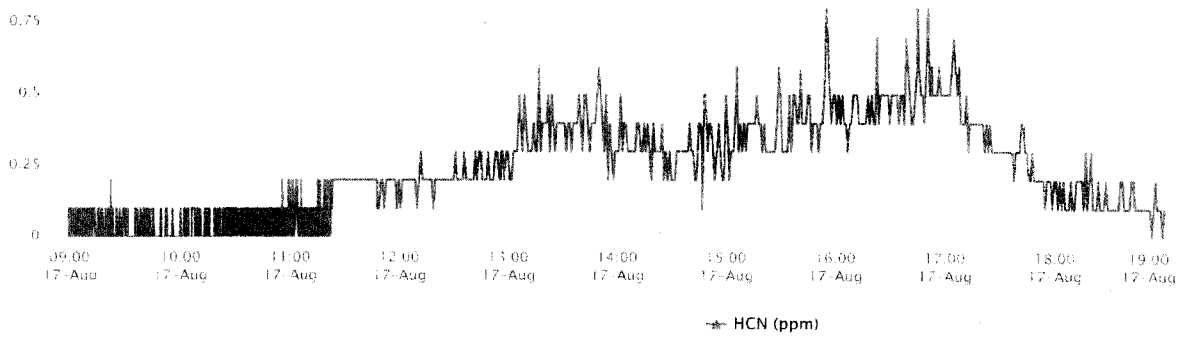
8/17/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



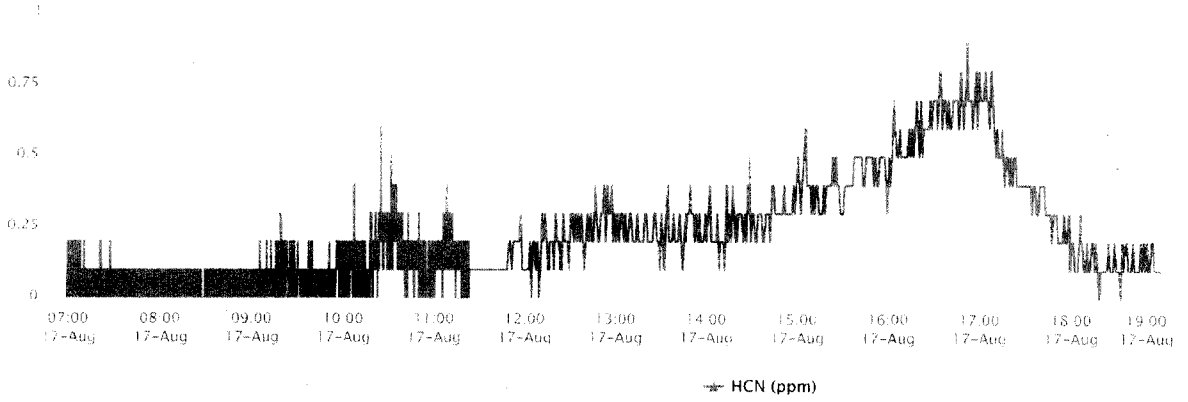
8/17/19 DAY Data for AREARAE PRO 1 (HCn) – Southwest of Pile



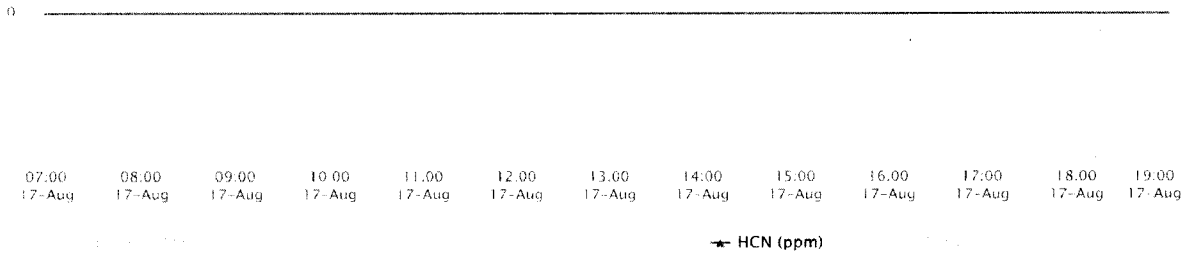
8/17/19 DAY Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/17/19 DAY Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/17/19 DAY Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	**80.1-175.0**	**35.5-55.4**	**Members of sensitive groups may experience health effects. The general public is not likely to be affected.**
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/17/19 19:00** ***To:*** ***8/18/19 7:00***

On Site, Southwest Corner of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	3,633	188	0 - 54 ppb	1.01 ppb	1,000 ppb
	CO	No	3,633	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	3,633	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	3,633	3,633	20.9% - 20.9%	20.9%	<19.5 or >23%
	LEL	No	3,633	0	0 - 0%	0%	10%
	HCN	No	3,633	3,579	0 - 0.5 ppm	0.21 ppm	7.1 ppm%

Pleasant Colliers

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	529	523	0 - 13 µg/m³	5.89 µg/m³	See SOG #: T106

On Site, Northwest Corner of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	4,450	2	0 - 94 ppb	0.02 ppb	1,000 ppb
	CO	No	4,450	22	0 - 9 ppm	0.01 ppm	83 ppm
	H_2S	No	4,450	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,450	4,450	20.9% - 20.9%	20.9%	<19.5 or >23%
	LEL	No	4,450	0	0 - 0%	0%	10%
	HCN	No	4,450	225	0 - 0.7 ppm	0.01 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	527	523	0 - 26 µg/m³	4.37 µg/m³	See SOG #: T106

Able Construction Warehouse, Northeast of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	4,816	267	0 - 228 ppb	1.38 ppb	1,000 ppb
	CO	No	4,816	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	4,816	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,816	4,816	21.1% - 21.2%	21.1%	<19.5 or >23%
	LEL	No	4,816	0	0 - 0%	0%	10%
	HCN	No	4,816	4,658	0 - 0.6 ppm	0.19 ppm	7.1 ppm

Grace Coastal Church

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	648	648	4 - 9 µg/m³	4.40 µg/m³	See SOG #: T106

Forrest Concrete

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	4,717	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	4,717	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	4,717	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,717	4,717	20.1% - 20.5%	21.10%	<19.5 or >23%
	LEL	No	4,717	0	0 - 0%	0%	10%
	HCN	No	4,717	0	0 - 0 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	743	185	0 - 63	10.96 µg/m3	See SOG #: T106

Bayou Hill Apartments

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	752	466	0 - 39	8.57 µg/m3	See SOG #: T106

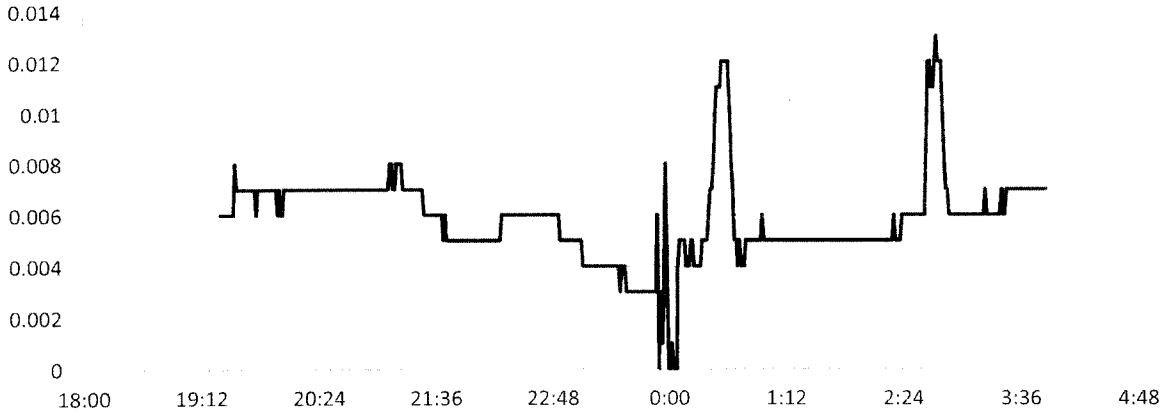
EPA Mobile Command Post

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Good	738	107	0 - 69	8.55 µg/m3	See SOG #: T106

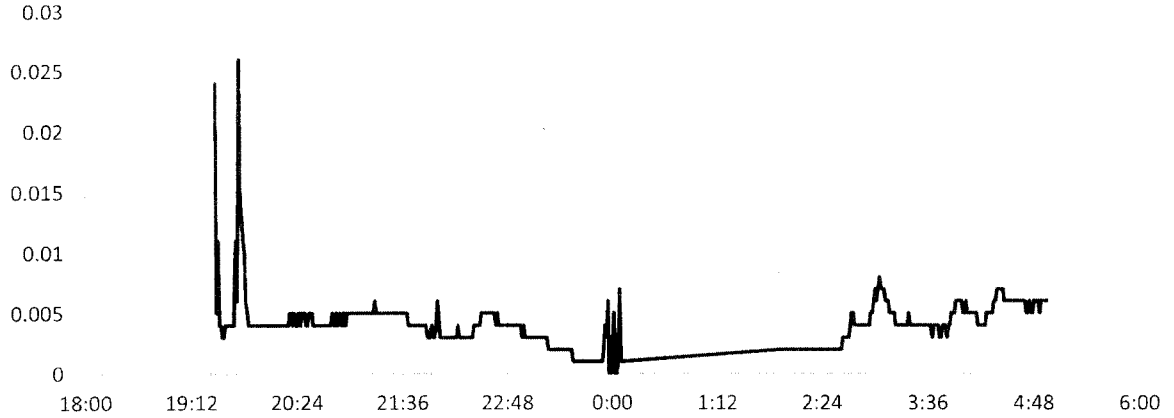
Notes:

%	Percent	O_2	Oxygen
<	Less than	PEL	Permissible exposure limit
>	Greater than	ppb	Parts per billion
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals	ppm	Parts per million
CO	Carbon monoxide	PM	Particulate matter
H_2S	Hydrogen Sulfide	SOG	Standard Operating Guidelines
HCN	Hydrogen Cyanide	TLV	Threshold limit value
LEL	Lower Explosive Level	µg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud

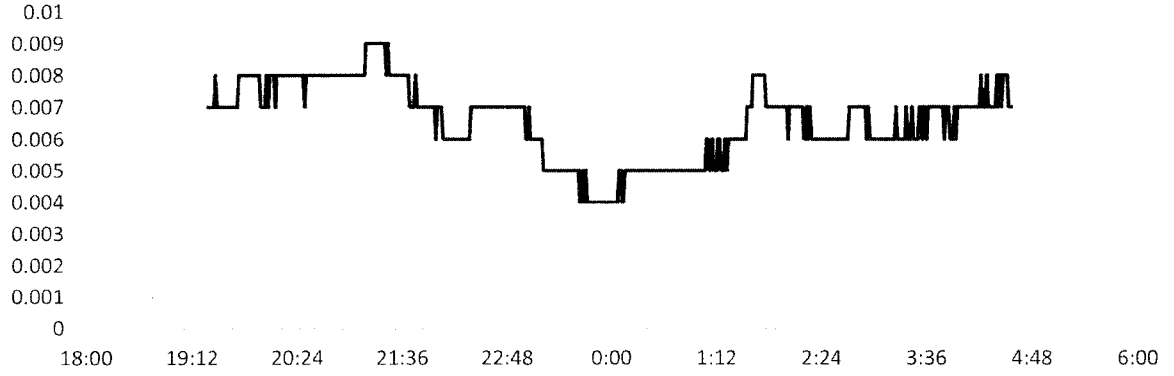
8/17/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



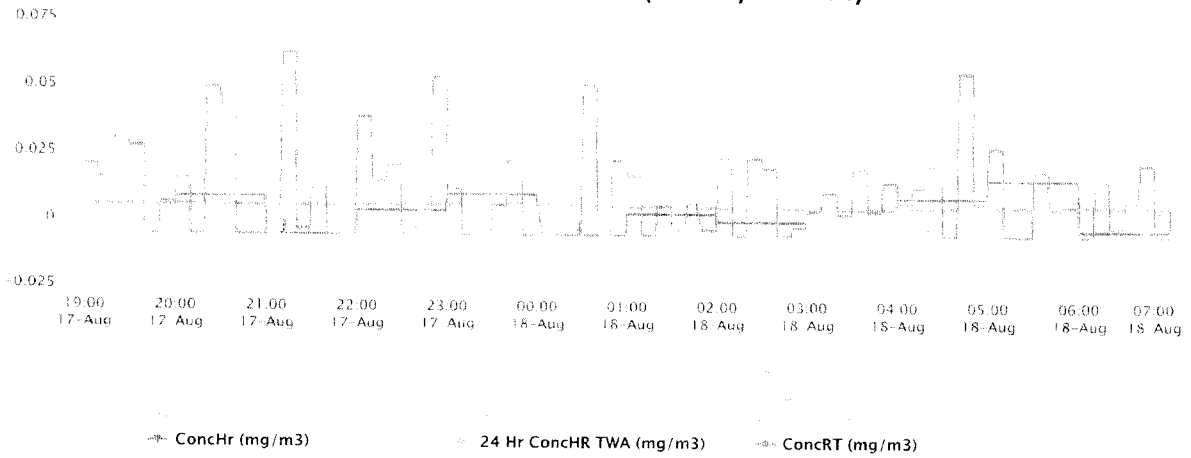
8/17/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) - Short Cut Road



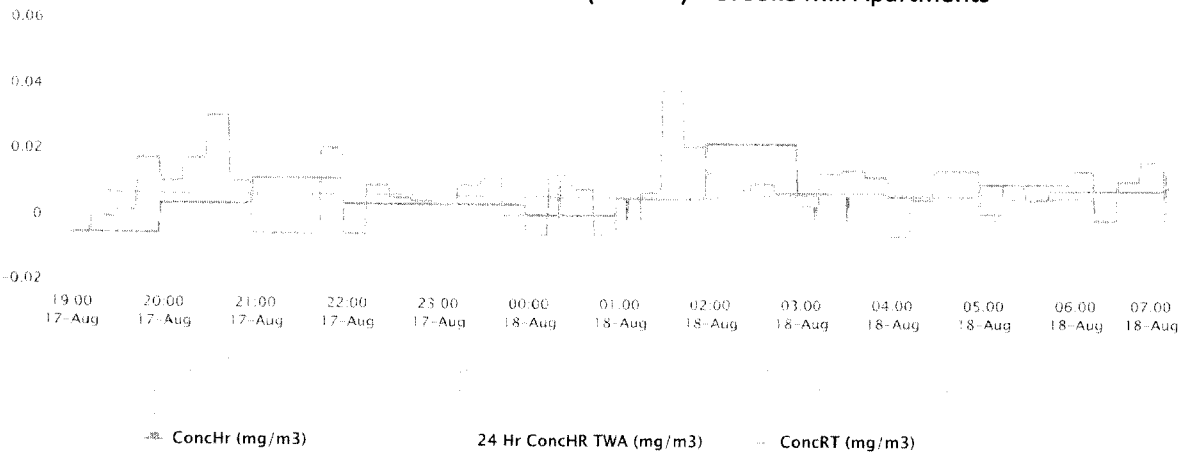
8/17/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) - Grace Coastal Church



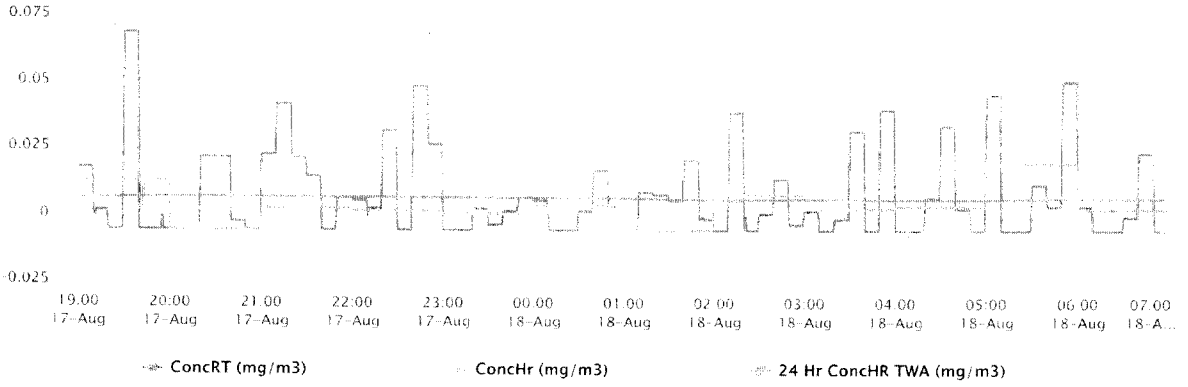
8/17/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City



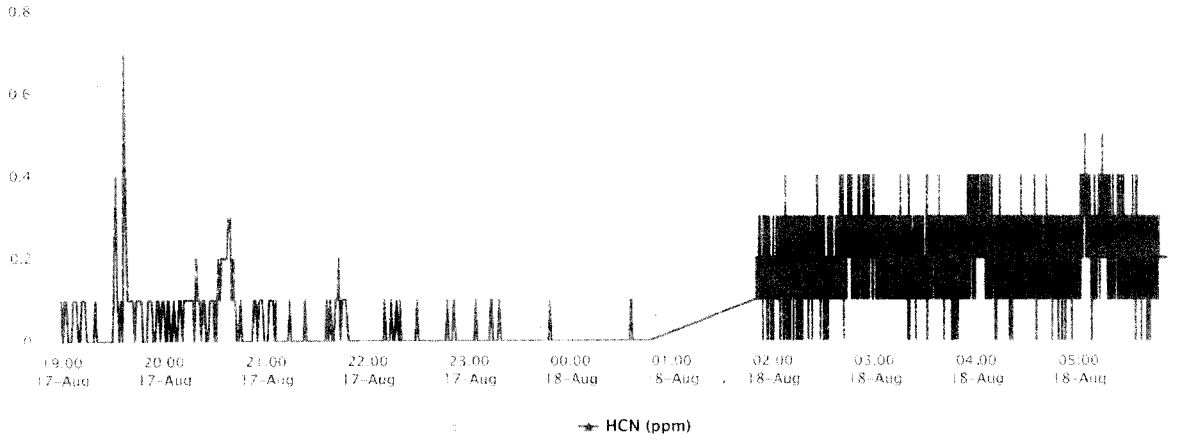
8/17/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



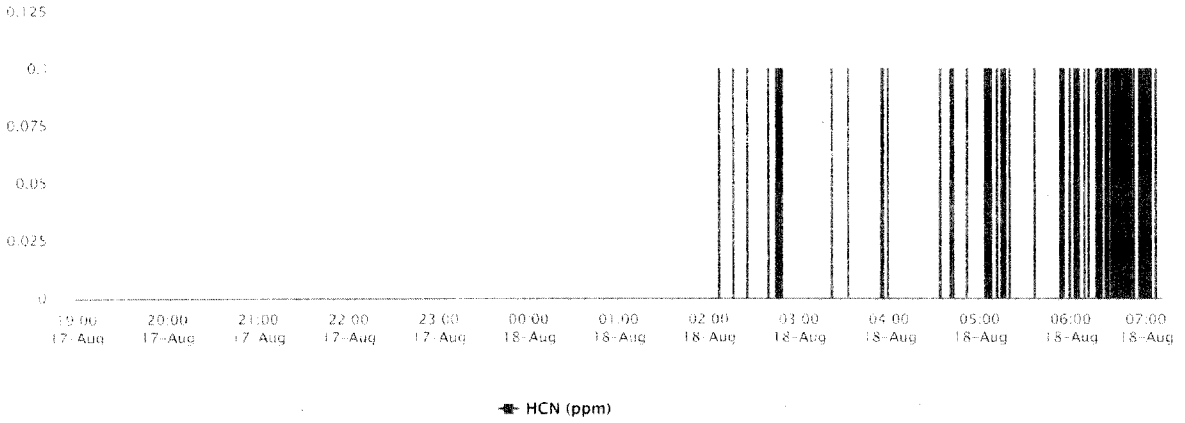
8/17/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



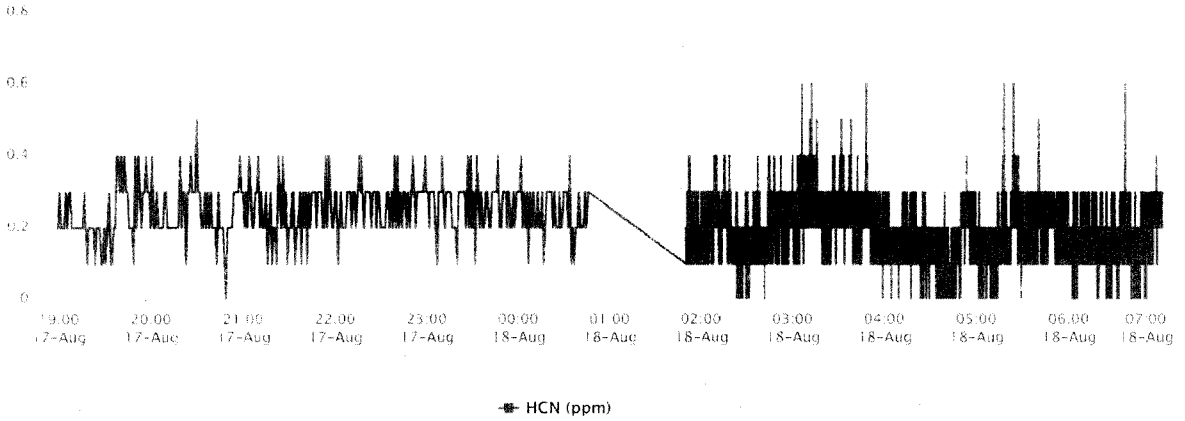
8/17/19 NIGHT Data for AREARAE PRO 1 (HCn) – Southwest of Pile



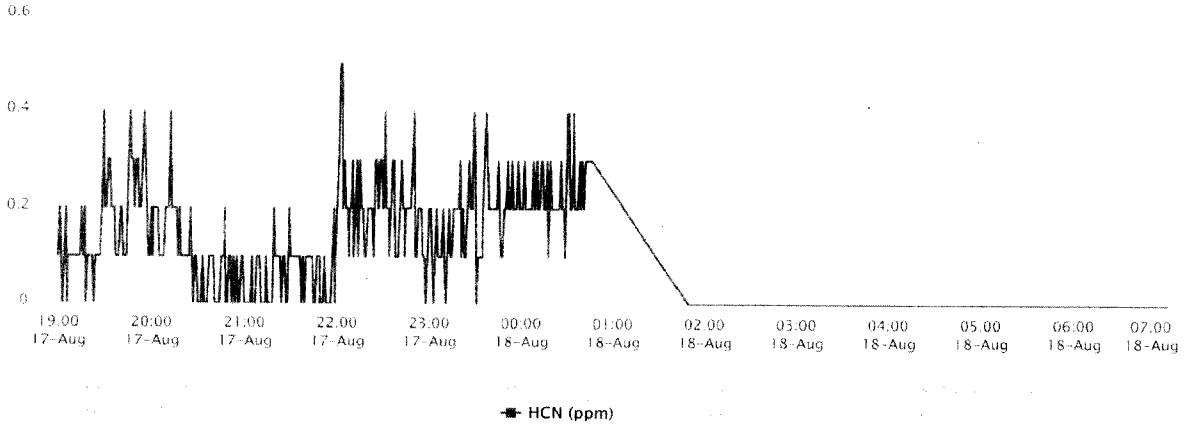
8/17/19 NIGHT Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/17/19 NIGHT Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/17/19 NIGHT Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	40.1-80.0	12.1-35.4	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: **8/18/19 7:00** ***To:*** ***8/18/19 19:00***

On Site, Southwest Corner of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	10,626	91	0 - 951 ppb	3.9 ppb	1,000 ppb
	CO	No	10,626	137	0 - 61 ppm	0.08 ppm	83 ppm
	H_2S	Yes	10,626	7	0 - 0.9 ppm	0 ppm	0.5 ppm
	O_2	Yes	10,626	10,564	0 - 21.2 %	20.8 %	<19.5 or >23%
	LEL	No	10,626	0	0 - 0 %	0 %	10%
	HCN	Yes	10,626	10,600	0 - 10.1 ppm	0.45 ppm	7.1 ppm

Oxygen sensor reading of 0% likely caused by instrument failures observed during operational period

Forest Cemetery

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	776	776	5 - 15 µg/m³		See SOG #: T106

On Site, Northeast Corner of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	Yes	12,317	32	0 - 4013 ppb	2.25 ppb	1,000 ppb
	CO	No	12,317	1,693	0 - 18 ppm	0.57 ppm	83 ppm
	H_2S	Yes	12,317	25	0 - 1.5 ppm	0.002 ppm	0.5 ppm
	O_2	No	12,317	12,317	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	12,317	0	0 - 0 %	0 %	10%
	HCN	No	12,317	9,332	0 - 3.4 ppm	0.28 ppm	7.1 ppm

Able Contracting Workshop, Northeast of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	12,389	55	0 - 82 ppb	0.11 ppb	1,000 ppb
	CO	No	12,389	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	12,389	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	12,389	12,389	20.9 - 21.4 %	21.1 %	<19.5 or >23%
	LEL	No	12,389	0	0 - 0 %	0 %	10%
	HCN	No	12,389	12,324	0 - 0.9 ppm	0.3 ppm	7.1 ppm

Grace Coastal Church

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	764	764	6 - 11 µg/m³		See SOG #: T106

Forest Cemetery

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	12,370	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	12,370	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	12,370	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	12,370	12,370	20.1 - 20.9 %	20.6 %	<19.5 or >23%
	LEL	No	12,370	0	0 - 0 %	0 %	10%
	HCN	No	12,370	0	0 - 0 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	736	245	0 - 86 ug/m3	10.6 ug/m3	See SOG #: T106

Brandie Mill Apartments

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	744	202	0 - 40 ug/m3	5.8 ug/m3	See SOG #: T106

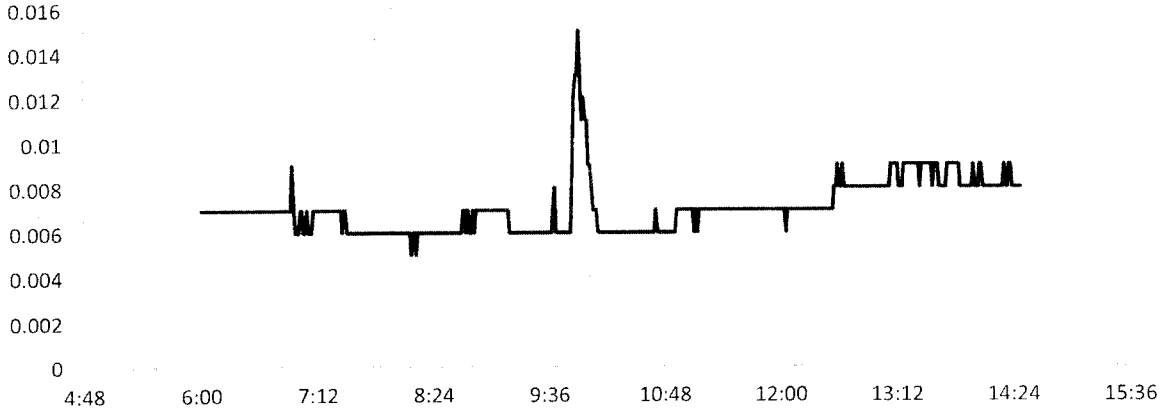
EPA Mobile Command Post

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	700	211	0 - 126 ug/m3	13.2 ug/m3	See SOG #: T106

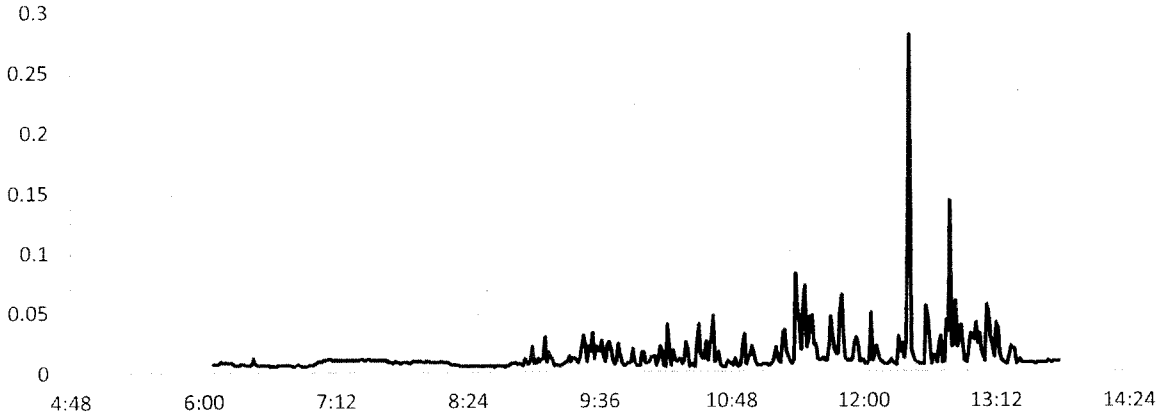
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

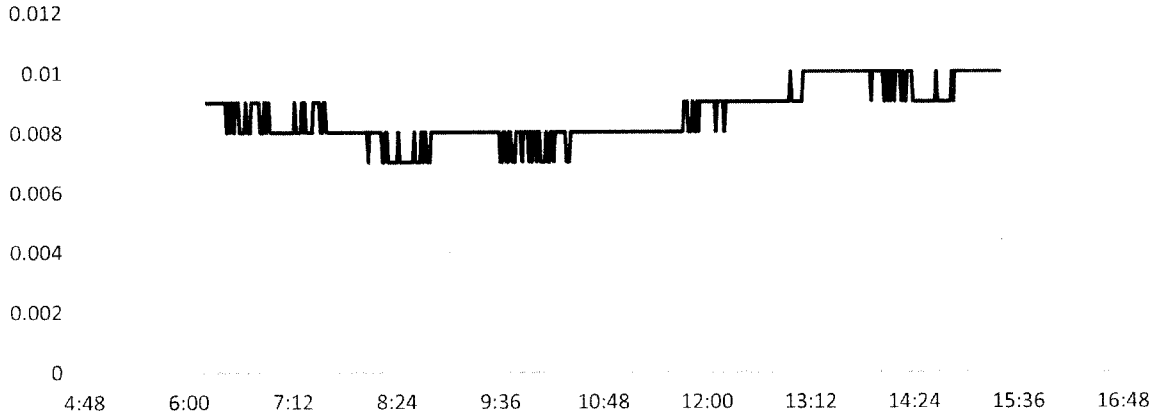
8/18/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Sun



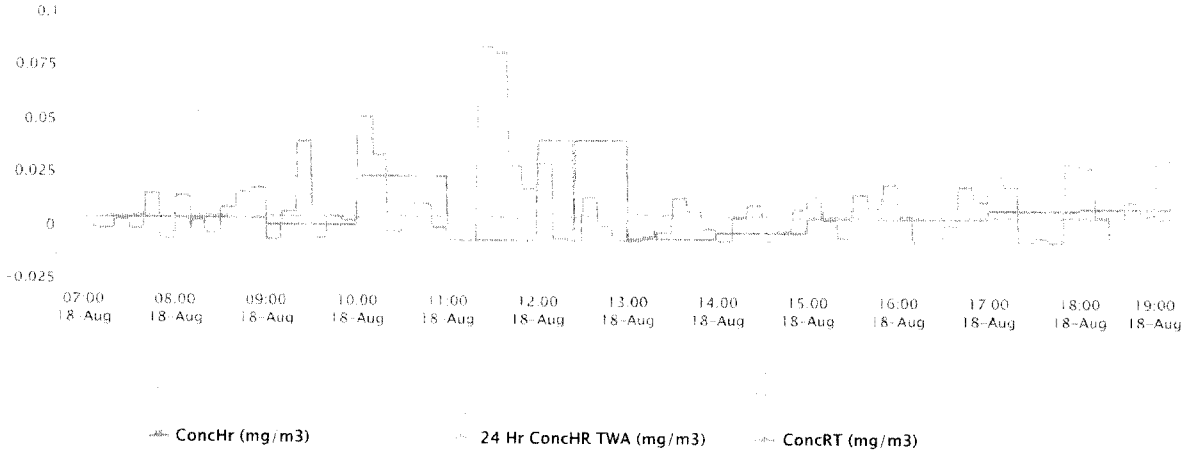
8/18/19 DAY Data for DustTrak 2 ($PM_{2.5}$) - Short Cut



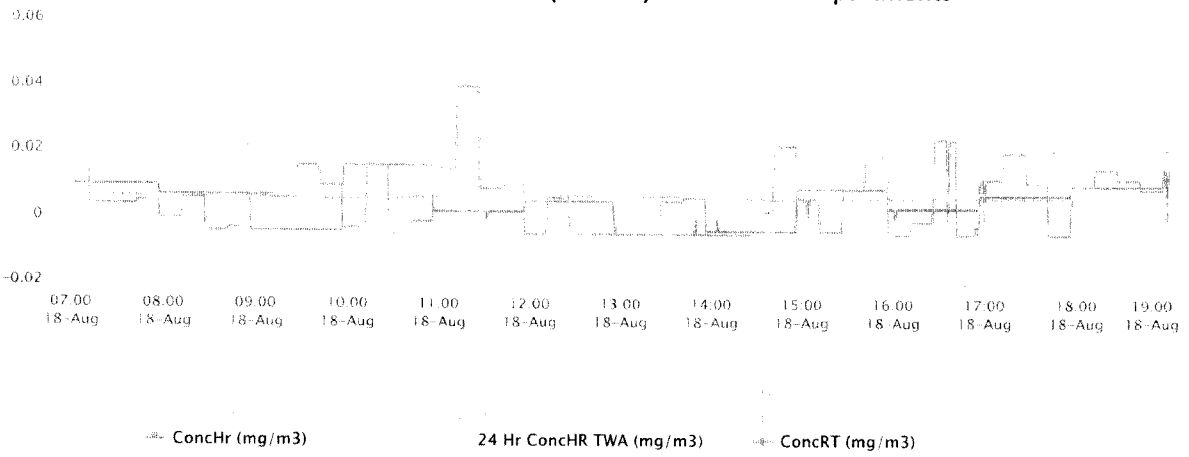
8/18/19 DAY Data for DustTrak 3 ($PM_{2.5}$) - Church



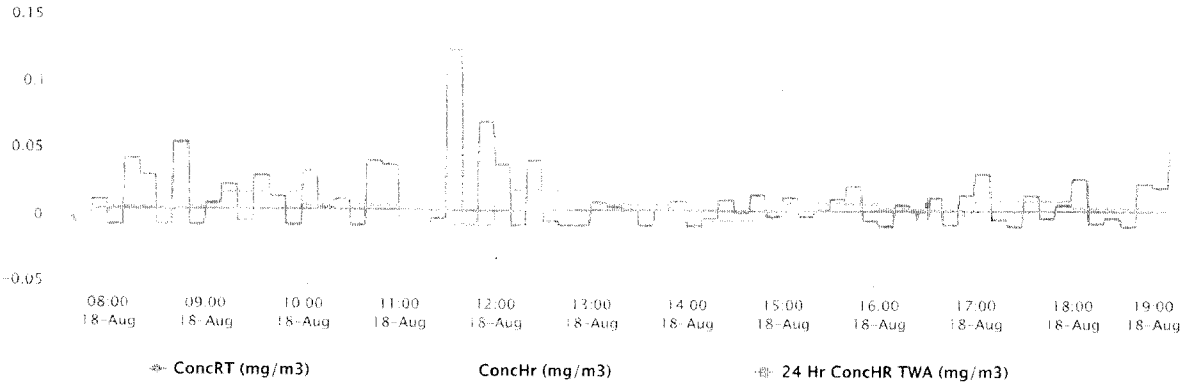
8/18/19 DAY Data for EBAM 1 (ConcRT) – Sun City



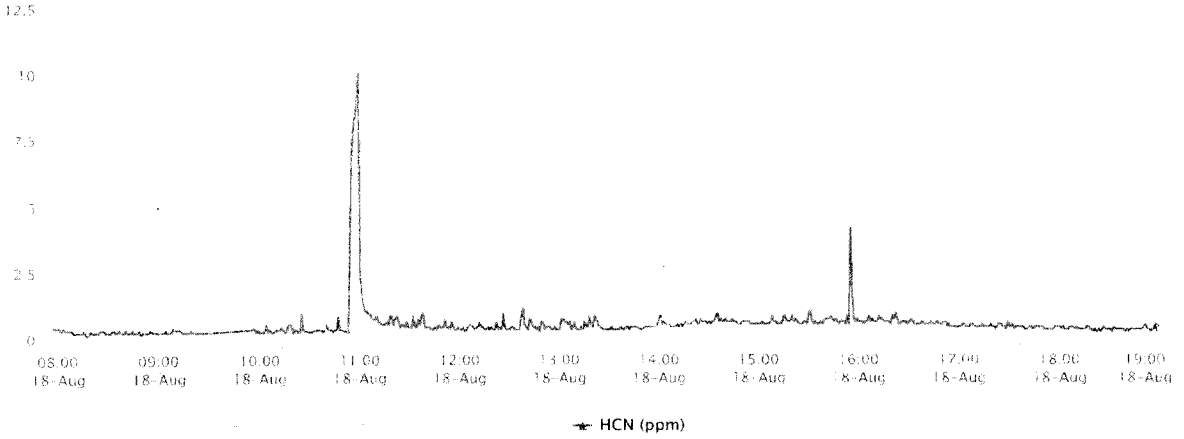
8/18/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



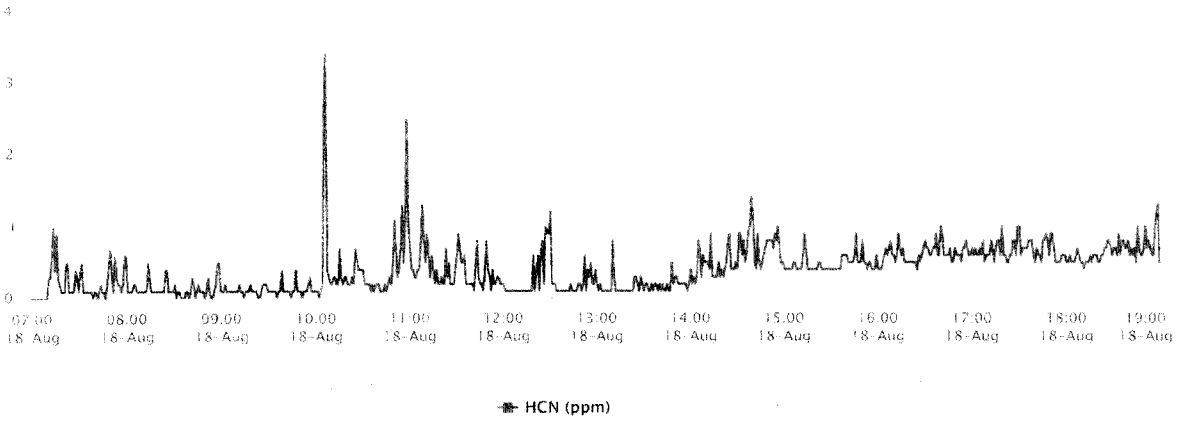
8/18/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



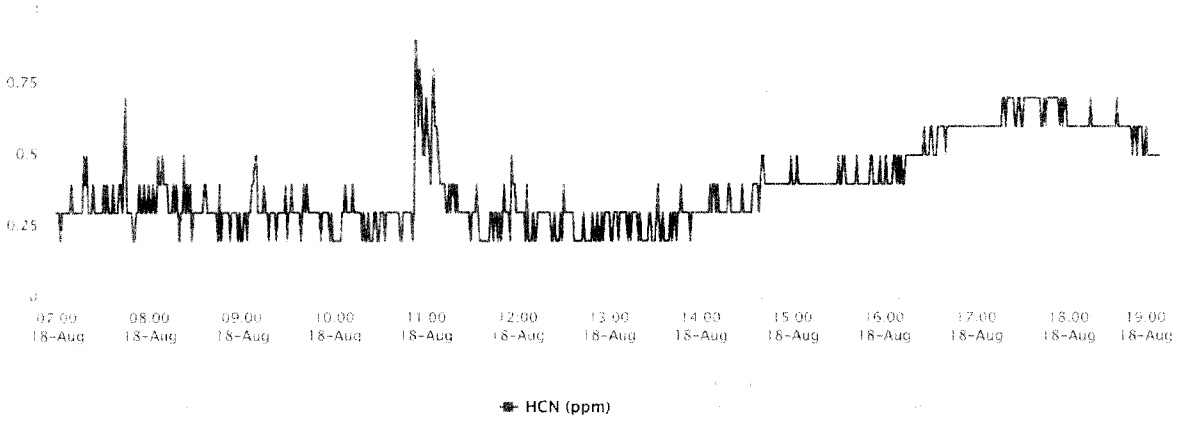
8/18/19 DAY Data for AREARAE PRO 1 (HCn) – Southwest of Pile



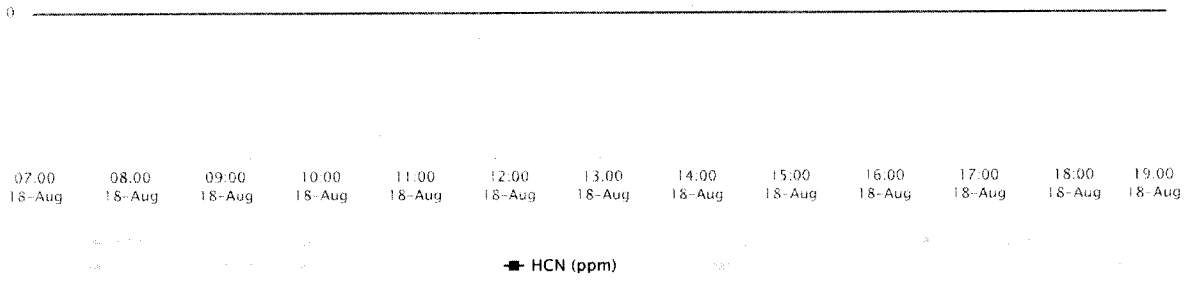
8/18/19 DAY Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/18/19 DAY Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/18/19 DAY Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	**80.1-175.0**	**35.5-55.4**	**Members of sensitive groups may experience health effects. The general public is not likely to be affected.**
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: **8/18/19 19:00** ***To:*** ***8/19/19 7:00***

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	13,060	569	0 - 272 ppb	2.35 ppb	1,000 ppb
	CO	No	13,060	266	0 - 6 ppm	0.07 ppm	83 ppm
	H_2S	No	13,060	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	13,060	13,060	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	13,060	0	0 - 0 %	0 %	10%
	HCN	No	13,060	13,055	0 - 1.4 ppm	0.39 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	681	681	3 - 13 µg/m³	4.2 ug/m3	See SOG #: T106

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	12,794	4	0 - 152 ppb	0.02 ppb	1,000 ppb
	CO	No	12,794	2,800	0 - 22 ppm	1.12 ppm	83 ppm
	H_2S	No	12,794	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	12,794	12,794	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	12,794	0	0 - 0 %	0 %	10%
	HCN	No	12,794	10,538	0 - 1.6 ppm	0.25 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	615	606	0 - 28 µg/m³	4.8 ug/m3	See SOG #: T106

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	12,871	1,251	0 - 156 ppb	3.27 ppb	1,000 ppb
	CO	No	12,871	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	12,871	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	12,871	12,871	21.1 - 21.3 %	21.1 %	<19.5 or >23%
	LEL	No	12,871	0	0 - 0 %	0 %	10%
	HCN	No	12,871	11,266	0 - 0.8 ppm	0.16 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	681	681	4 - 19 µg/m³	5.8 ug/m3	See SOG #: T106

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	12,813	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	12,813	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	12,813	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	12,813	12,813	20.1 - 20.9 %	20.2 %	<19.5 or >23%
	LEL	No	12,813	0	0 - 0 %	0 %	10%
	HCN	No	12,813	0	0 - 0 ppm	0 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	748	264	0 - 57 ug/m3	10.1 ug/m3	See SOG #: T106

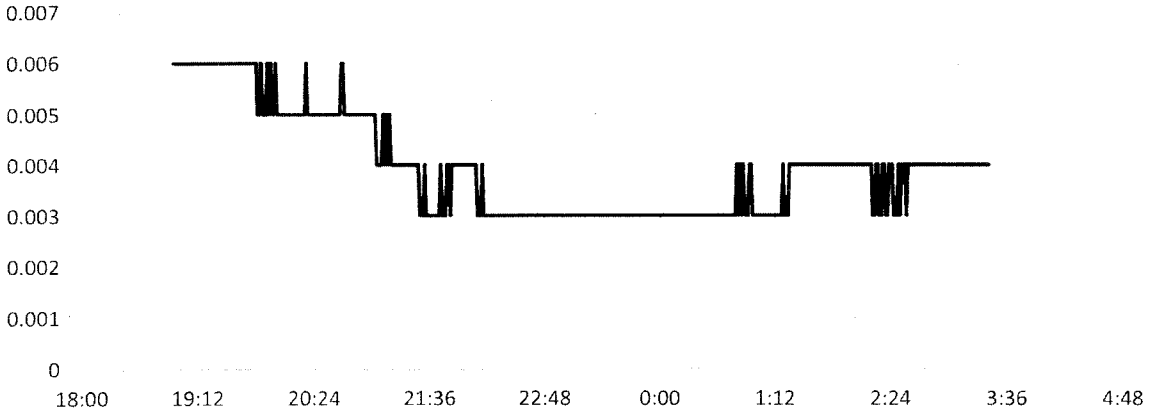
Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	751	484	0 - 35 ug/m3	10 ug/m3	See SOG #: T106

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	737	126	0 - 82 ug/m3	13 ug/m3	See SOG #: T106

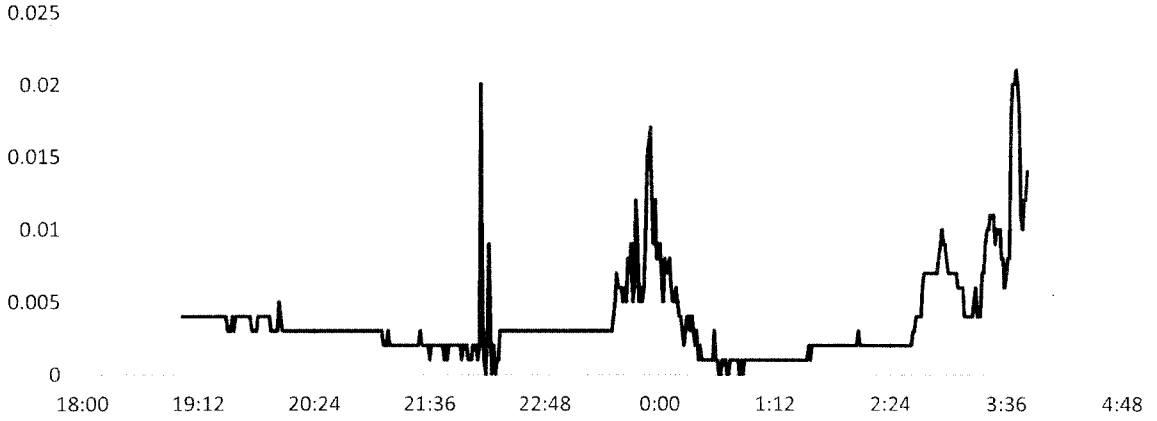
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

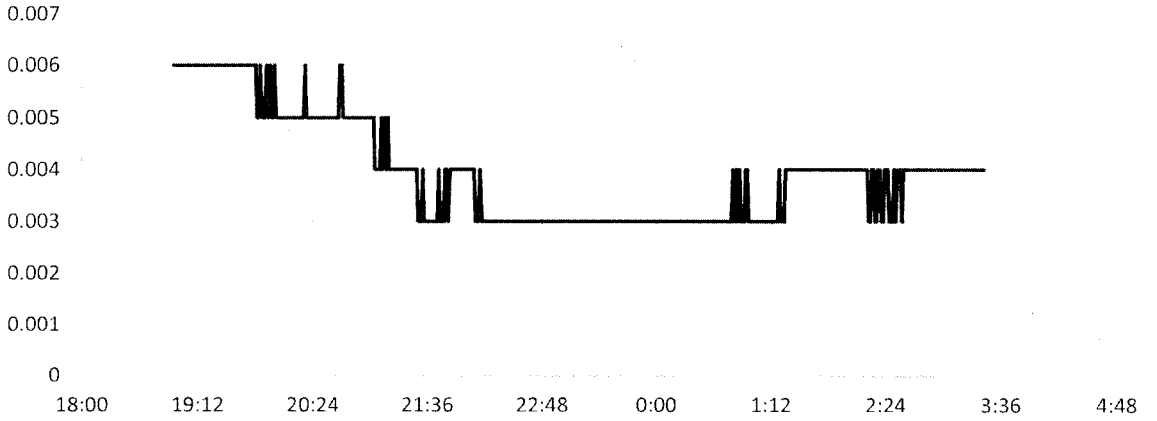
8/18/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Sun



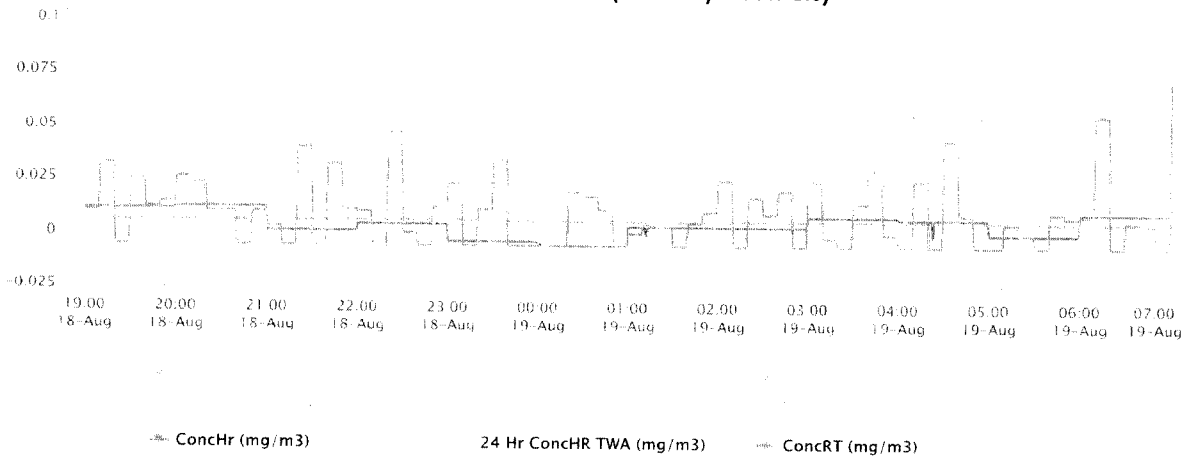
8/18/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) - Short Cut



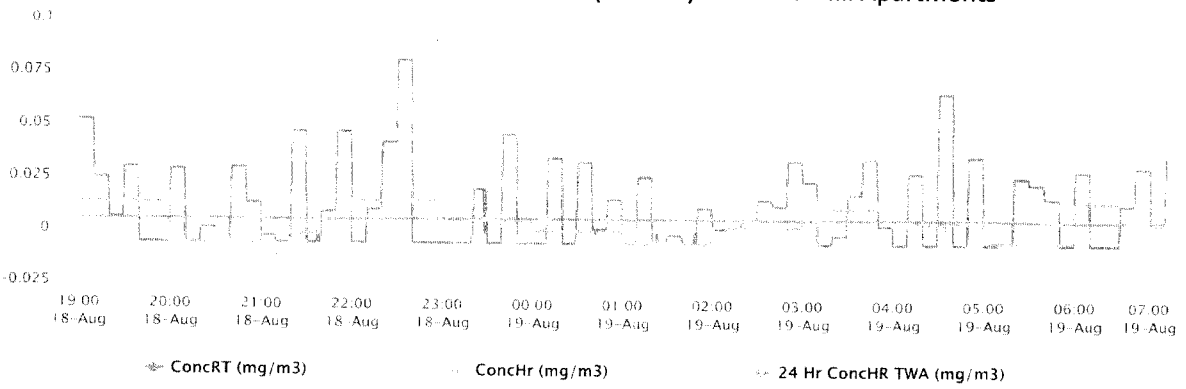
8/18/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Sun



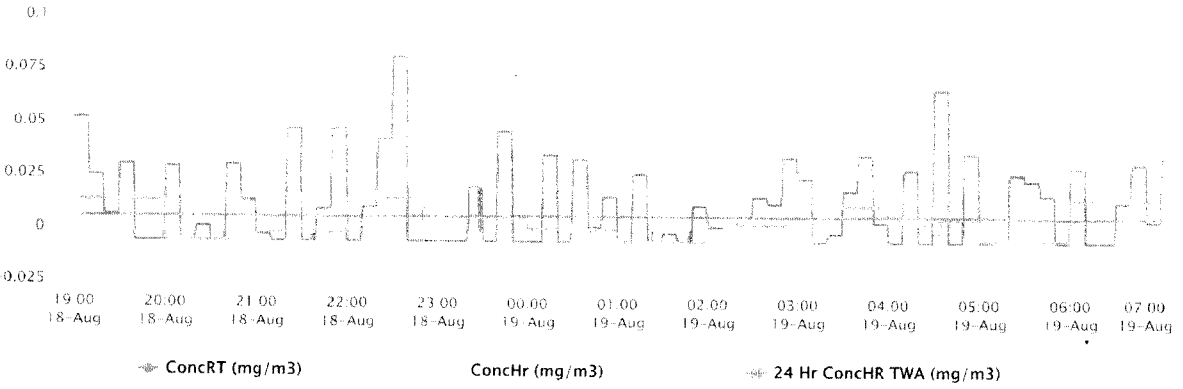
8/18/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City



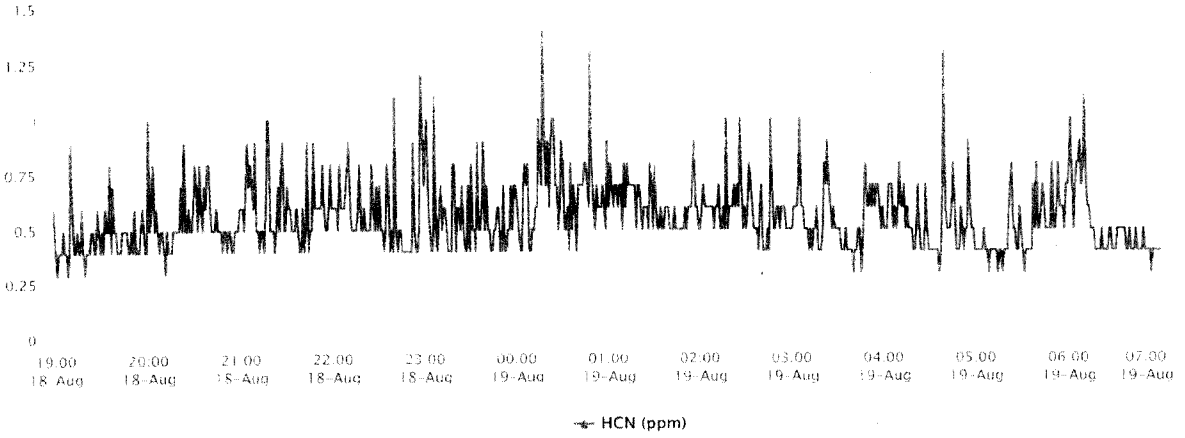
8/18/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



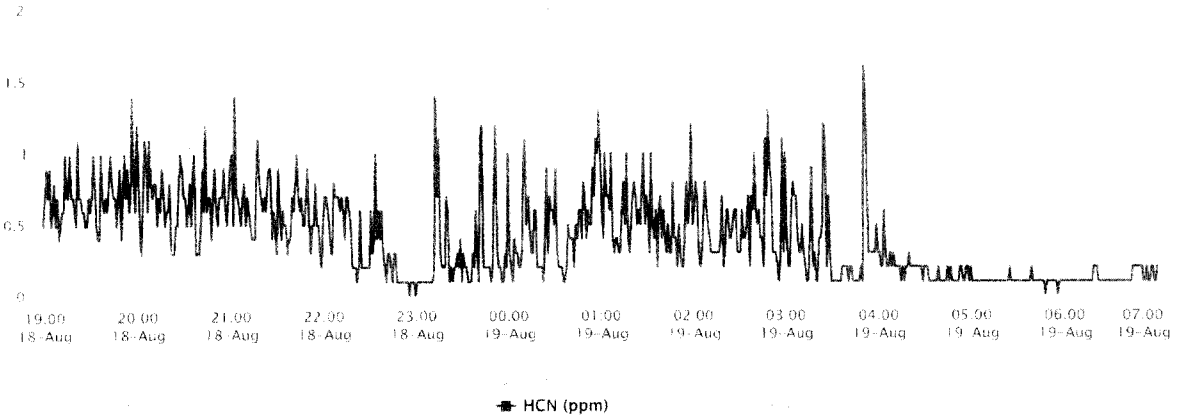
8/18/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



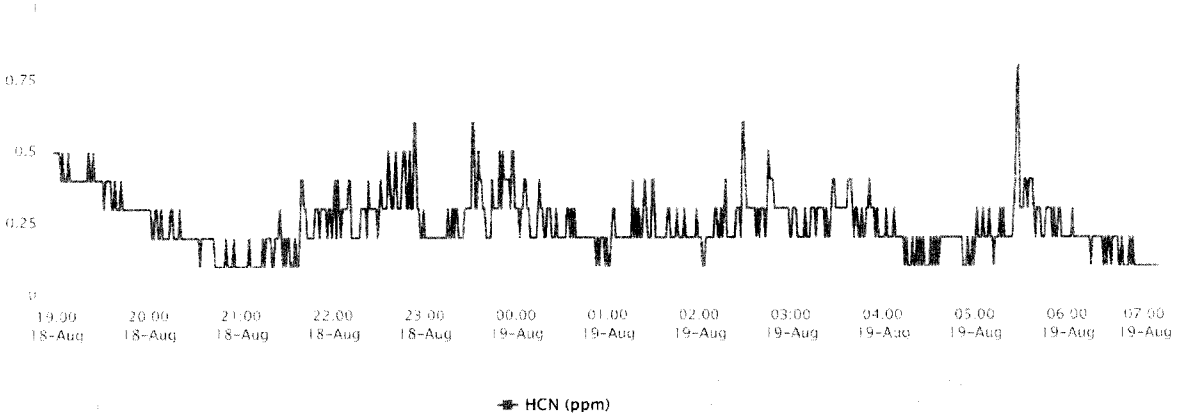
8/18/19 NIGHT Data for AREARAE PRO 1 (HCn) – Southwest of Pile



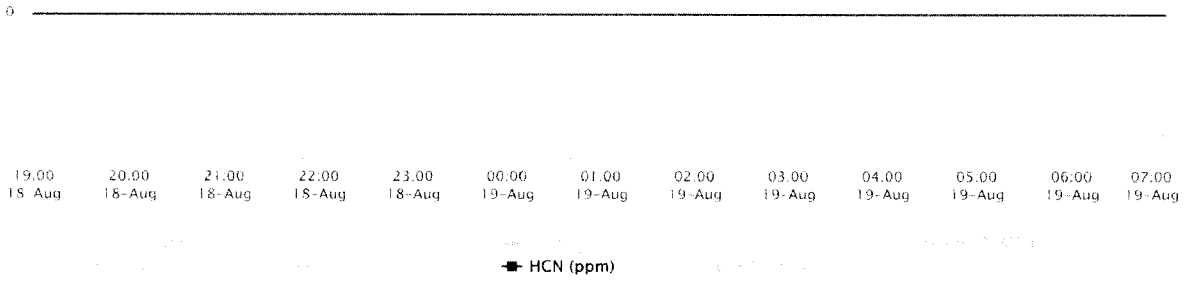
8/18/19 NIGHT Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/18/19 NIGHT Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/18/19 NIGHT Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	40.1-80.0	12.1-35.4	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Able Contracting Fire

EPA Air Monitoring Summary Report
8/19/2019 0700 to 8/19/2019 1900

Attachment: Discussion of Results

High detections of VOC, CO, H2S, LEL, and HCN were observed at AreaRAE 3 at the NE corner of the pile near the Able Contracting Workshop during this period. A series of high readings were recorded across the same time frame between the hours of 10 and 11.

The instrument is located near the Able Contracting workshop which remains in operation and at which several activities were ongoing throughout the day including maintenance of equipment, operation of a tractor, and loading of equipment to a trailer. The meter is located at the corner of the building on a concrete pad onto which vehicles may be parked. The detections of all related chemical sensors during the same period are consistent with measurements from the exhaust of an idling diesel engine.

The HCN peak of 38.4 ppm is actually consistent the diesel exhaust scenario. H2S is a common component of diesel exhaust fumes, and the Honewell AreaRAE Pro HCN sensor has a natively high cross-sensitivity to H2S. According to RAE TN-114, conditions of H2S at 15 ppm would register a reading of 90 ppm on the AreaRAE Pro HCN sensor - a six-fold increase of the true H2S value. Cross-sensitivities to sensors are common but RAE TN-114 makes a special note of this issue with the HCN sensor, stating: "Due to a very high cross-sensitivity to H2S, this sensor is unsuitable for use in atmospheres that contain H2S". The H2S peak of 7.6 ppm on AreaRAE 3 during this period multiplied by the cross-sensitivity factor of six is equal to 45.6 which is within a reasonable range of +/-20% from the HCN peak of 38.4 ppm.

An isolated VOC reading of 14 ppm was measured at 12:30 at the NE corner of the pile (near the workshop) while an isolated VOC reading of 10 ppm was measured at 9:02 at the SW corner of the pile. These records were single readings with no associated rise and fall to the data trendline to suggest that there was an exposure threshold exceedance or risk.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: **8/19/19 7:00** ***To:*** ***8/19/19 19:00***

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	Yes	4,617	117	0 - 10213 ppb	28.08 ppb	1,000 ppb
	CO	No	4,617	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	4,617	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,617	4,617	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	4,617	0	0 - 0 %	0 %	10%
	HCN	No	4,617	4,612	0 - 0.8 ppm	0.33 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	133	132	0 - 16 µg/m³	6.6 ug/m3	See SOG #: T106

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	4,213	7	0 - 645 ppb	0.37 ppb	1,000 ppb
	CO	No	4,213	181	0 - 8 ppm	0.14 ppm	83 ppm
	H_2S	No	4,213	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,213	4,213	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	4,213	0	0 - 0 %	0 %	10%
	HCN	No	4,213	2,703	0 - 1.4 ppm	0.17 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	480	480	4 - 58 µg/m³	9.3 ug/m3	See SOG #: T106

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	Yes	4,332	485	0 - 14223 ppb	48.96 ppb	1,000 ppb
	CO	Yes	4,332	535	0 - 500 ppm	8.42 ppm	83 ppm
	H_2S	Yes	4,332	376	0 - 7.6 ppm	0.132 ppm	0.5 ppm
	O_2	No	4,332	4,332	20.9 - 21.3 %	21.1 %	<19.5 or >23%
	LEL	No	4,332	1,647	0 - 5 %	0.8 %	10%
	HCN	Yes	4,332	3,934	0 - 38.4 ppm	1.06 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	753	753	7 - 76 µg/m³	10.8 ug/m3	See SOG #: T106

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	4,237	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	4,237	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	4,237	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	4,237	4,237	20.1 - 20.9 %	20.4 %	<19.5 or >23%
	LEL	No	4,237	0	0 - 0 %	0 %	10%
	HCN	No	4,237	1	0 - 0.1 ppm	0 ppm	7.1 ppm

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	710	391	0 - 76 ug/m3	13 ug/m3	See SOG #: T106

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	566	226	0 - 34 ug/m3	9.6 ug/m3	See SOG #: T106

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	583	267	0 - 109 ug/m3	15.6 ug/m3	See SOG #: T106

Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

Able Contracting Fire

EPA Air Monitoring Summary Report
8/19/2019 0700 to 8/19/2019 1900

Attachment: Discussion of Results

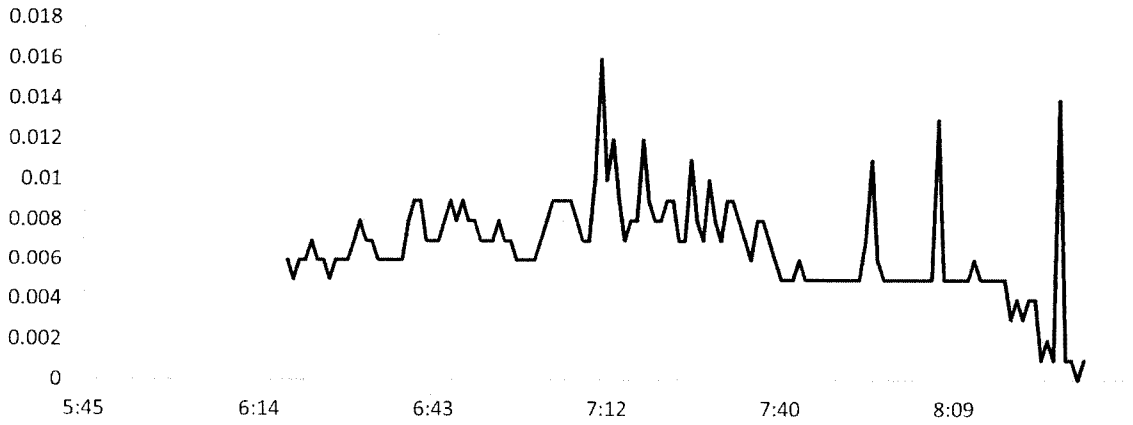
High detections of VOC, CO, H2S, LEL, and HCN were observed at AreaRAE 3 at the NE corner of the pile near the Able Contracting Workshop during this period. A series of high readings were recorded across the same time frame between the hours of 10 and 11.

The instrument is located near the Able Contracting workshop which remains in operation and at which several activities were ongoing throughout the day including maintenance of equipment, operation of a tractor, and loading of equipment to a trailer. The meter is located at the corner of the building on a concrete pad onto which vehicles may be parked. The detections of all related chemical sensors during the same period are consistent with measurements from the exhaust of an idling diesel engine.

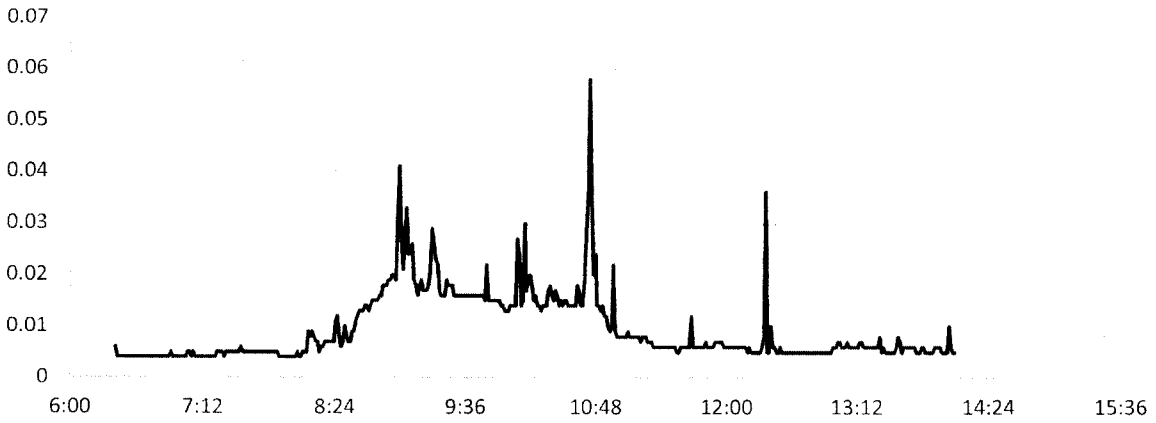
The HCN peak of 38.4 ppm is actually consistent the diesel exhaust scenario. H2S is a common component of diesel exhaust fumes, and the Honewell AreaRAE Pro HCN sensor has a natively high cross-sensitivity to H2S. According to RAE TN-114, conditions of H2S at 15 ppm would register a reading of 90 ppm on the AreaRAE Pro HCN sensor - a six-fold increase of the true H2S value. Cross-sensitivities to sensors are common but RAE TN-114 makes a special note of this issue with the HCN sensor, stating: "Due to a very high cross-sensitivity to H2S, this sensor is unsuitable for use in atmospheres that contain H2S". The H2S peak of 7.6 ppm on AreaRAE 3 during this period multiplied by the cross-sensitivity factor of six is equal to 45.6 which is within a reasonable range of +/-20% from the HCN peak of 38.4 ppm.

An isolated VOC reading of 14 ppm was measured at 12:30 at the NE corner of the pile (near the workshop) while an isolated VOC reading of 10 ppm was measured at 9:02 at the SW corner of the pile. These records were single readings with no associated rise and fall to the data trendline to suggest that there was an exposure threshold exceedance or risk.

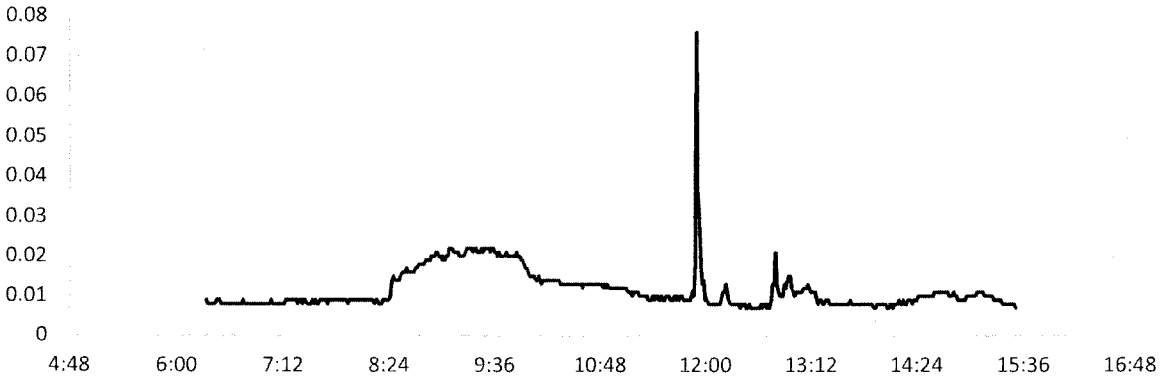
8/19/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



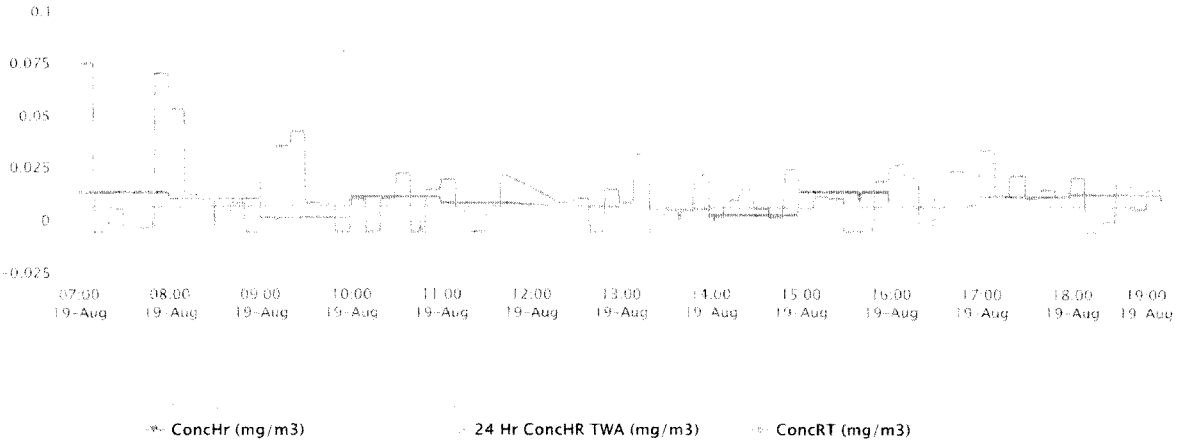
8/19/19 DAY Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



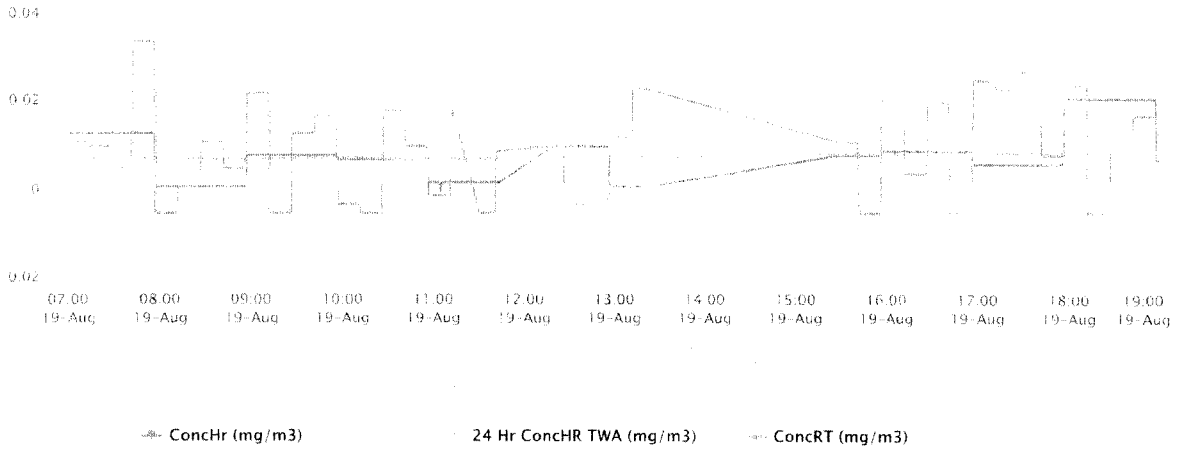
8/19/19 DAY Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



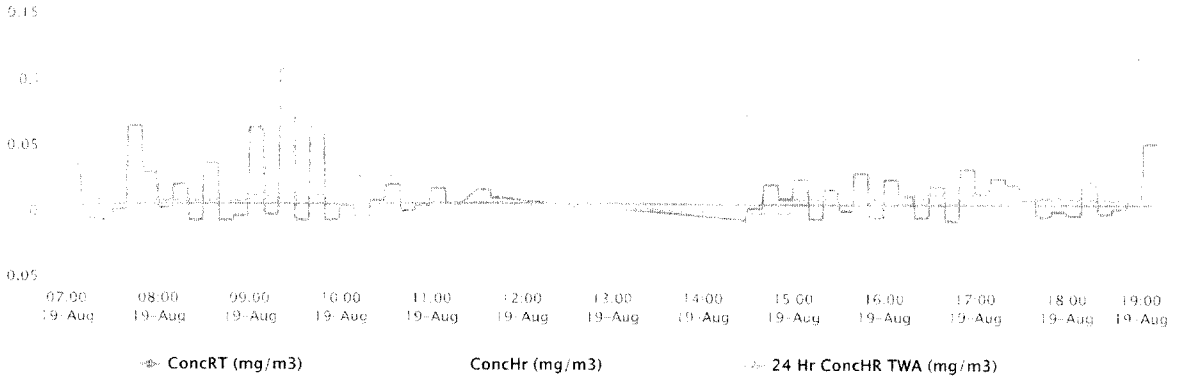
8/19/19 DAY Data for EBAM 1 (ConcRT) – Sun City



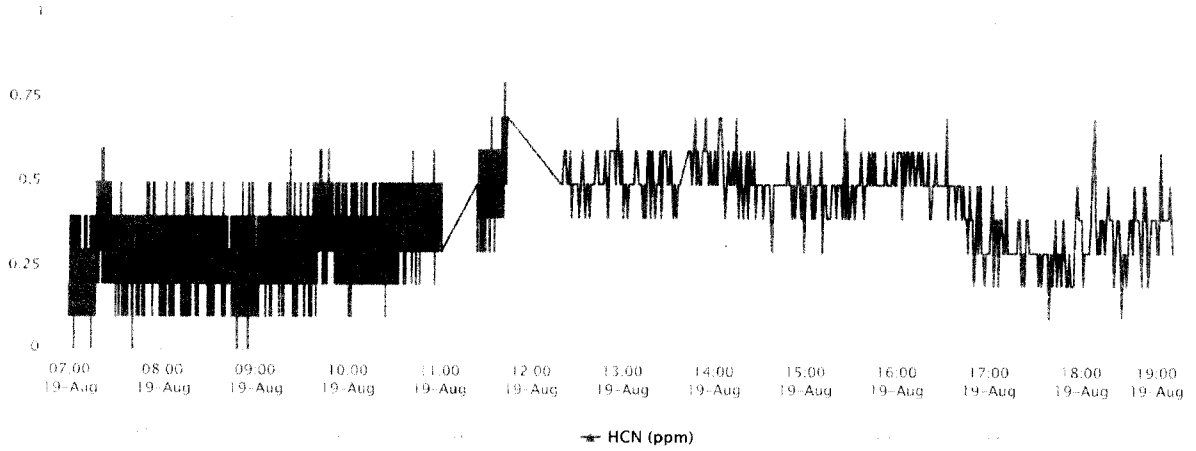
8/19/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



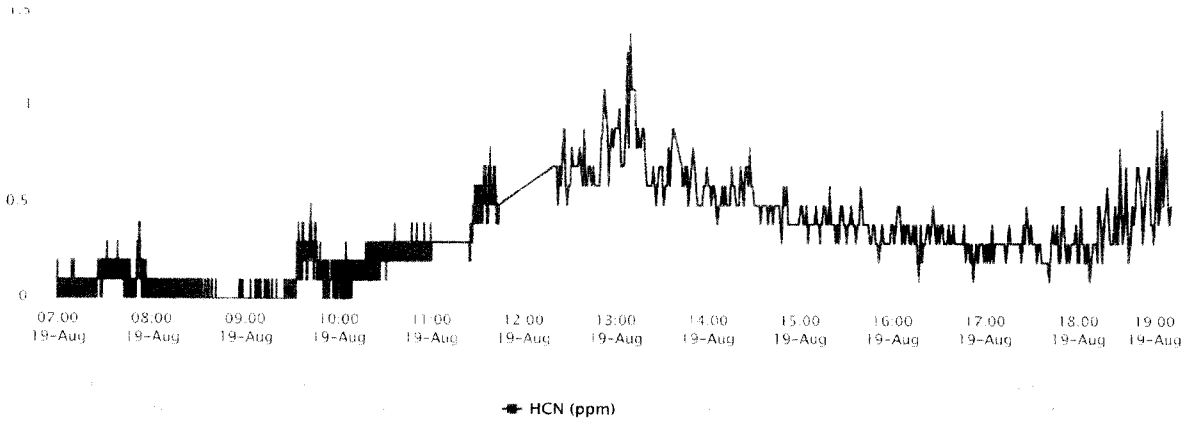
8/19/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



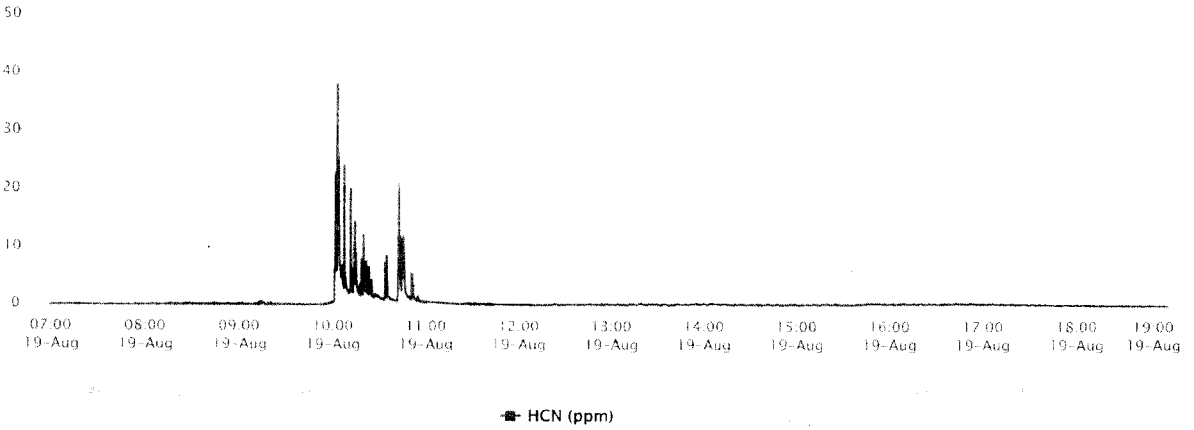
8/19/19 DAY Data for AREARAE PRO 1 (HCn) – Southwest of Pile



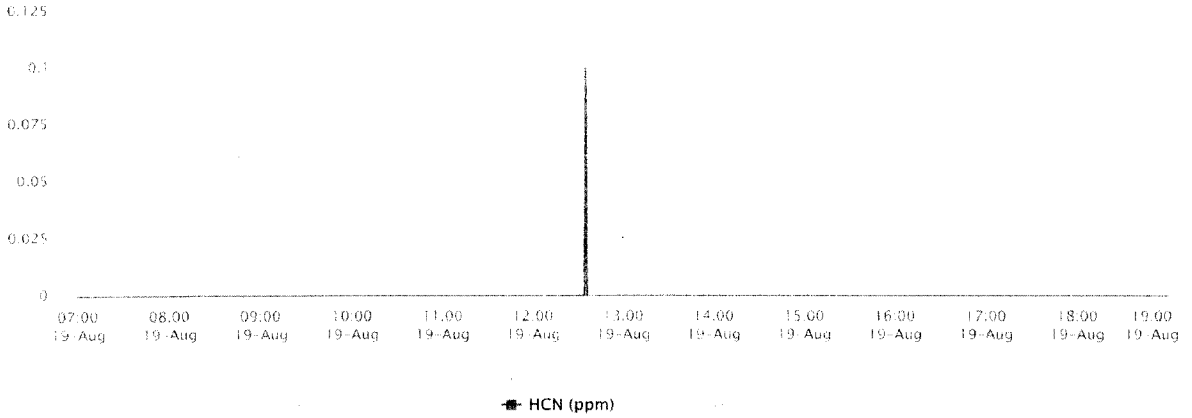
8/19/19 DAY Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/19/19 DAY Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/19/19 DAY Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: **8/19/19 19:00** ***To:*** **8/20/19 7:00**

On Site, Southwest Corner of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	6,861	327	0 - 444 ppb	3.25 ppb	1,000 ppb
	CO	No	6,861	130	0 - 5 ppm	0.06 ppm	83 ppm
	H_2S	No	6,861	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	6,861	6,861	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	6,861	0	0 - 0 %	0 %	10%
	HCN	No	6,861	6,861	0.1 - 1.4 ppm	0.47 ppm	7.1 ppm

Pavement Collection

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	692	692	4 - 20 µg/m³	5.9 ug/m3	See SOG #: T106

On Site, Northwest Corner of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	6,617	5	0 - 73 ppb	0.02 ppb	1,000 ppb
	CO	No	6,617	570	0 - 17 ppm	0.42 ppm	83 ppm
	H_2S	Yes	6,617	16	0 - 0.6 ppm	0.001 ppm	0.5 ppm
	O_2	No	6,617	6,617	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	6,617	0	0 - 0 %	0 %	10%
	HCN	No	6,617	6,517	0 - 2.7 ppm	0.42 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	617	617	2 - 22 µg/m³	5.7 ug/m3	See SOG #: T106

Able Contracting, Warehouse, Northeast of Pile

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	6,695	5	0 - 7 ppb	0 ppb	1,000 ppb
	CO	No	6,695	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	6,695	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	6,695	6,695	20.9 - 21.2 %	21 %	<19.5 or >23%
	LEL	No	6,695	308	0 - 2 %	0.1 %	10%
	HCN	No	6,695	2,713	0 - 0.3 ppm	0.04 ppm	7.1 ppm

Green Corral Church

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	694	694	6 - 122 µg/m³	14.4 ug/m3	See SOG #: T106

Ferrous Concrete

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	6,654	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	6,654	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	6,654	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	6,654	6,654	20 - 20.5 %	20.1 %	<19.5 or >23%
	LEL	No	6,654	0	0 - 0 %	0 %	10%
	HCN	No	6,654	0	0 - 0 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	746	237	0 - 60 ug/m3	13.6 ug/m3	See SOG #: T106

Bronze 905 Apartments

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	751	550	0 - 45 ug/m3	11.9 ug/m3	See SOG #: T106

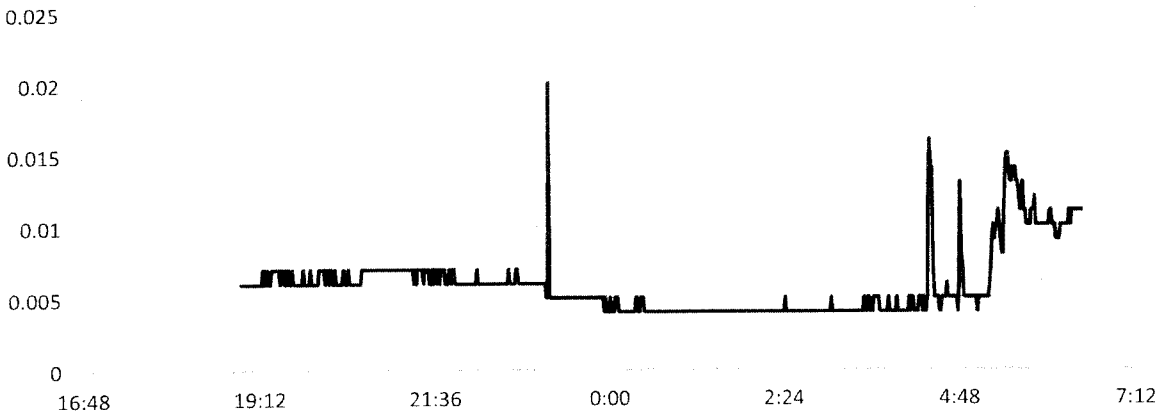
CPS/Dolphin Continental Park

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	738	178	0 - 54 ug/m3	12.2 ug/m3	See SOG #: T106

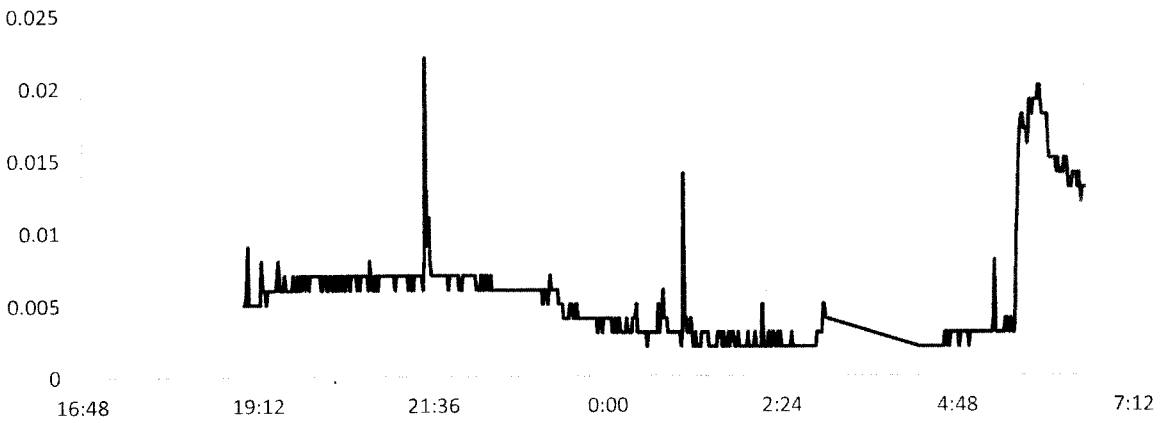
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

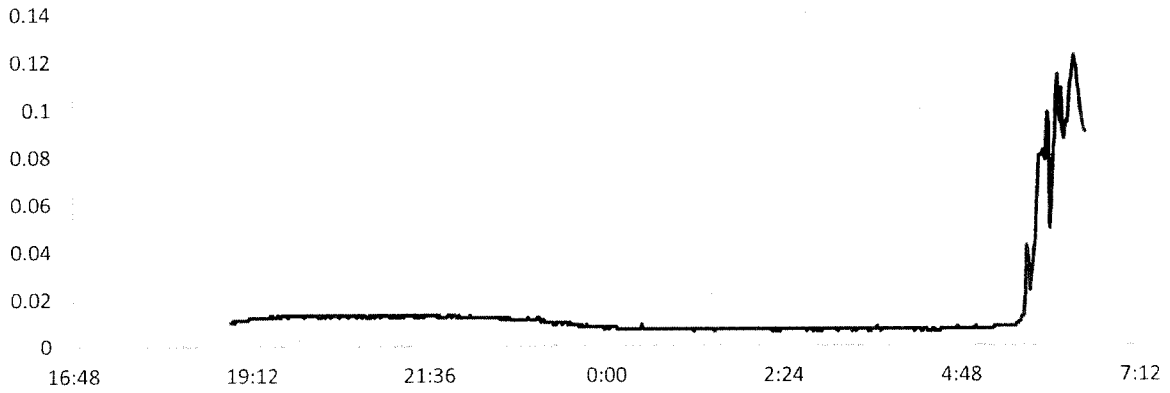
8/19/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



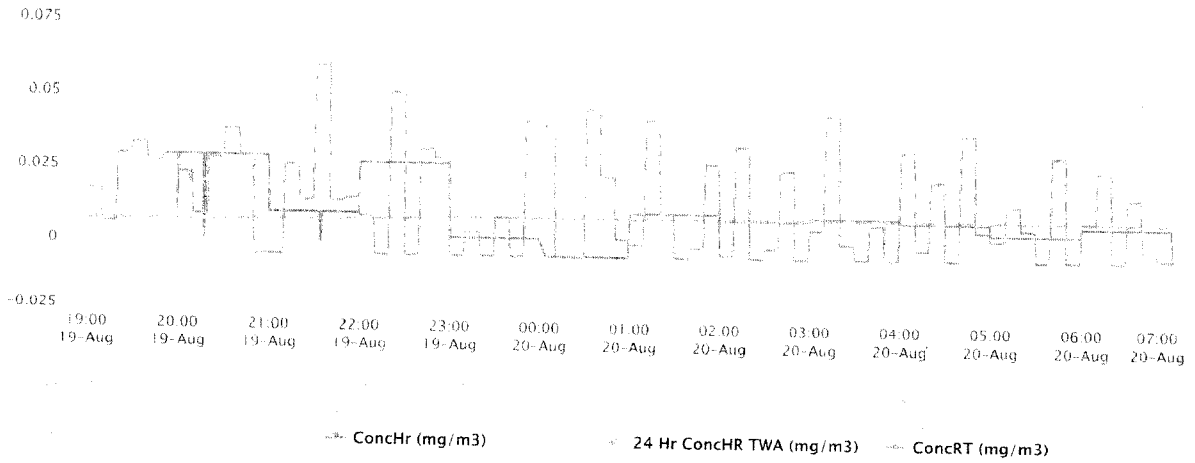
8/19/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



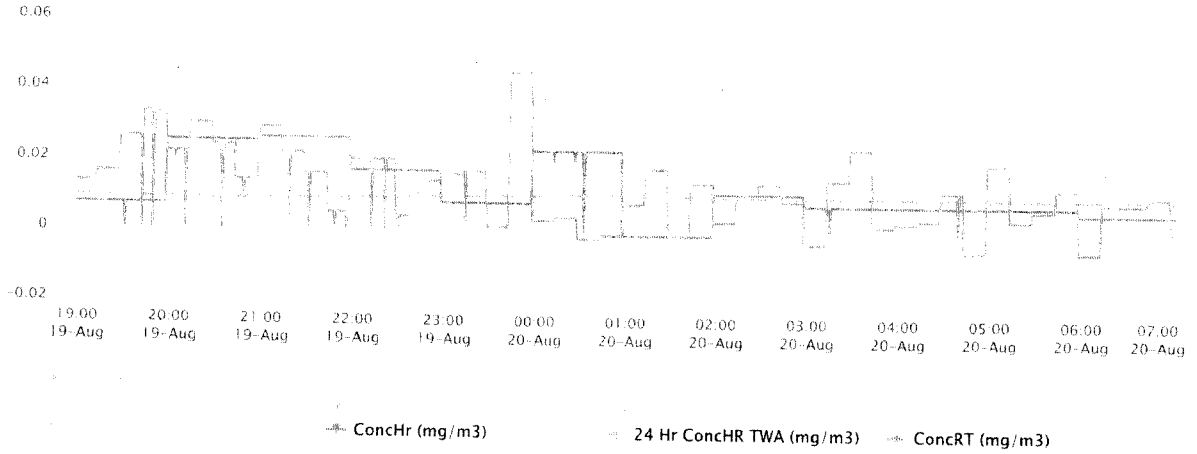
8/19/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



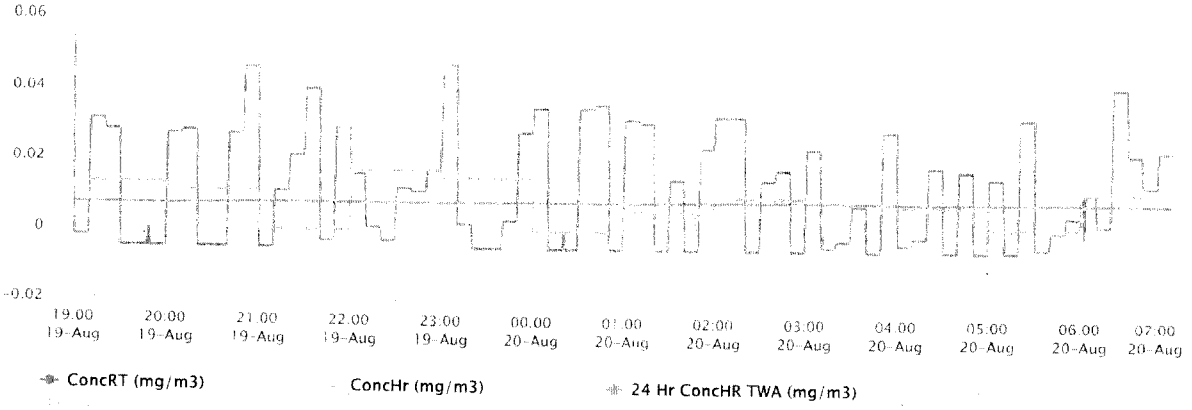
8/19/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City



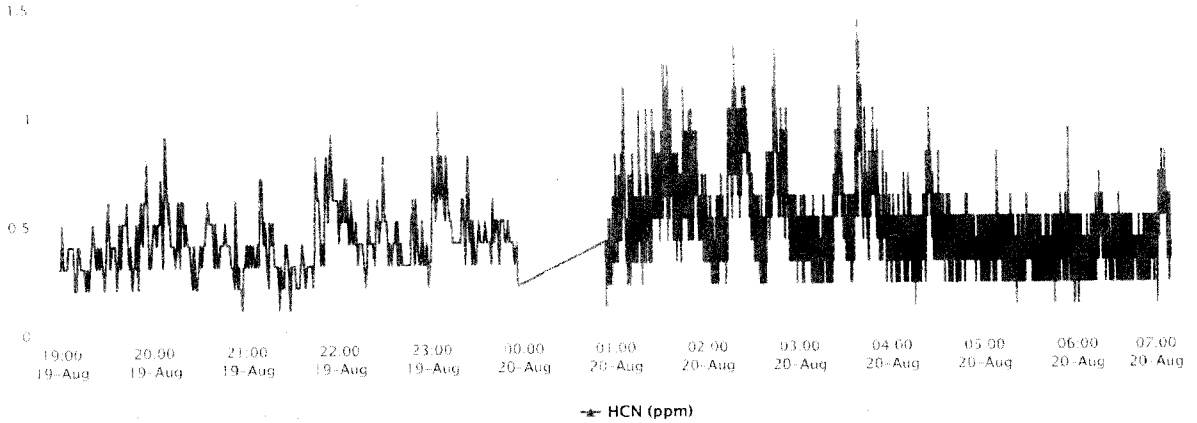
8/19/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



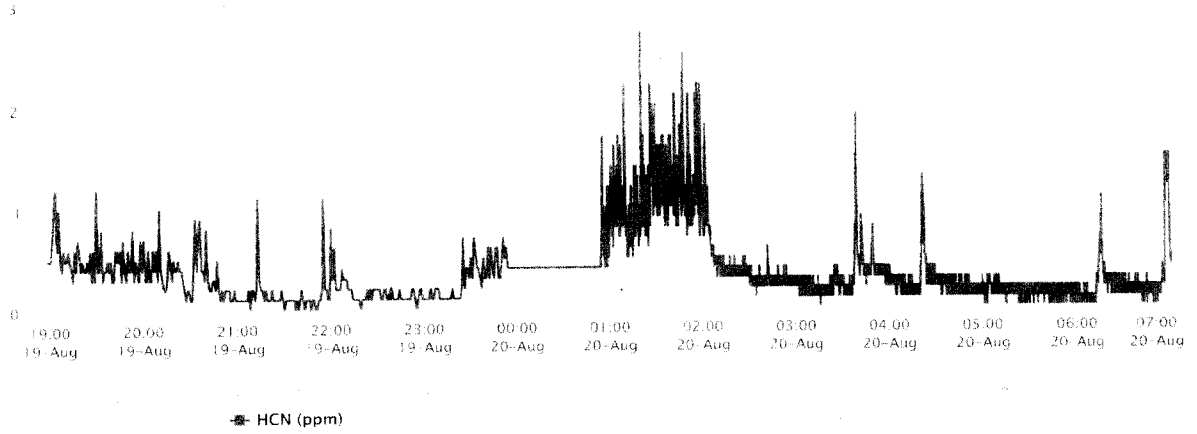
8/19/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



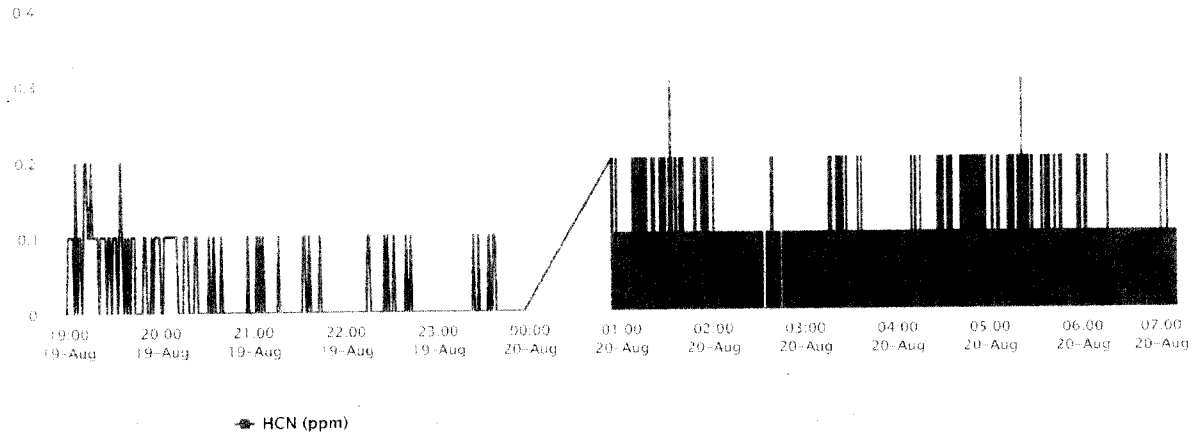
8/19/19 NIGHT Data for AREARAE PRO 1 (HCn) – Southwest of Pile



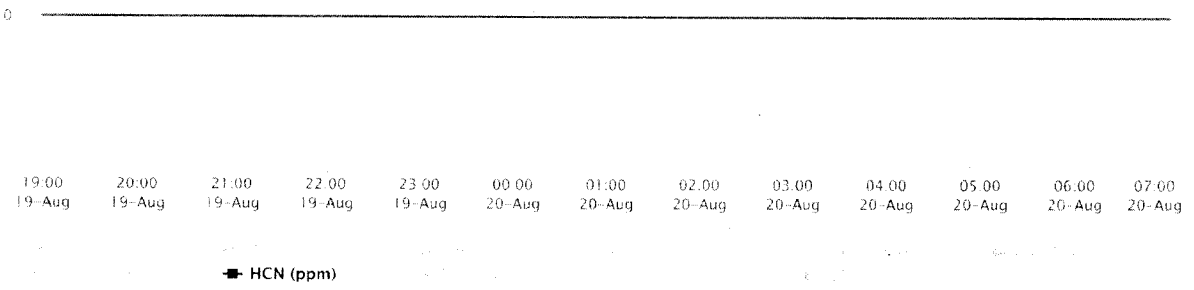
8/19/19 NIGHT Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/19/19 NIGHT Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/19/19 NIGHT Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	**80.1-175.0**	**35.5-55.4**	**Members of sensitive groups may experience health effects. The general public is not likely to be affected.**
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: **Able Contracting Fire Site**

From: **8/20/19 7:00** ***To:*** **8/20/19 19:00**

On Site, Southeast Corner of Site

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	Yes	7,091	253	0 - 47274 ppb	48.31 ppb	1,000 ppb
	CO	No	7,091	196	0 - 14 ppm	0.12 ppm	83 ppm
	H_2S	Yes	7,091	23	0 - 5.1 ppm	0.006 ppm	0.5 ppm
	O_2	No	7,091	7,091	20.9 - 20.9 %	20.9 %	<19.5 or >23%
	LEL	No	7,091	131	0 - 2 %	0 %	10%
	HCN	Yes	7,091	7,090	0 - 20 ppm	0.7 ppm	7.1 ppm

Note: High analyte concentrations were the result of AreaRAE unit calibration.

Prescott's Chicken

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	745	745	5 - 74 µg/m³	10.5 ug/m3	See SOG #: T106

On Site, Northwest Corner of Site

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	Yes	6,612	22	0 - 100063 ppb	17.47 ppb	1,000 ppb
	CO	No	6,612	18	0 - 7 ppm	0.01 ppm	83 ppm
	H_2S	Yes	6,612	4	0 - 0.7 ppm	0 ppm	0.5 ppm
	O_2	No	6,612	6,612	20.4 - 21.3 %	21.1 %	<19.5 or >23%
	LEL	No	6,612	0	0 - 0 %	0 %	10%
	HCN	Yes	6,612	6,521	0 - 7.6 ppm	0.65 ppm	7.1 ppm

Note: High analyte concentrations were the result of AreaRAE unit calibration.

Short Cut Road

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Moderate	733	733	4 - 129 µg/m³	12.7 ug/m3	See SOG #: T106

Able Contracting Warehouse, Northwest of Site

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	Yes	6,761	58	0 - 95153 ppb	24.99 ppb	1,000 ppb
	CO	No	6,761	39	0 - 50 ppm	0.06 ppm	83 ppm
	H_2S	Yes	6,761	15	0 - 10.5 ppm	0.008 ppm	0.5 ppm
	O_2	Yes	6,761	6,761	2.2 - 21.3 %	21 %	<19.5 or >23%
	LEL	Yes	6,761	11	0 - 50 %	0 %	10%
	HCN	Yes	6,761	6,035	0 - 36.6 ppm	0.26 ppm	7.1 ppm

Note: High analyte concentrations were the result of AreaRAE unit calibration.

Grace Carroll Church

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	742	742	9 - 118 µg/m³	18.1 ug/m3	See SOG #: T106

Forest Concrete

Instrument	Analyte	Action Level Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	Yes	6,661	14	0 - 104151 ppb	16.43 ppb	1,000 ppb
	CO	No	6,661	2	0 - 51 ppm	0.01 ppm	83 ppm
	H_2S	Yes	6,661	3	0 - 10.7 ppm	0.002 ppm	0.5 ppm
	O_2	Yes	6,661	6,661	2 - 21.5 %	20.8 %	<19.5 or >23%
	LEL	Yes	6,661	2	0 - 48 %	0 %	10%
	HCN	Yes	6,661	1,274	0 - 37.9 ppm	0.05 ppm	7.1 ppm

Note: High analyte concentrations were the result of AreaRAE unit calibration.

Site Out

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	705	527	0 - 84 ug/m3	14.9 ug/m3	See SOG #: T106

Apollo Mill Apartments

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	568	322	0 - 38 ug/m3	9.5 ug/m3	See SOG #: T106

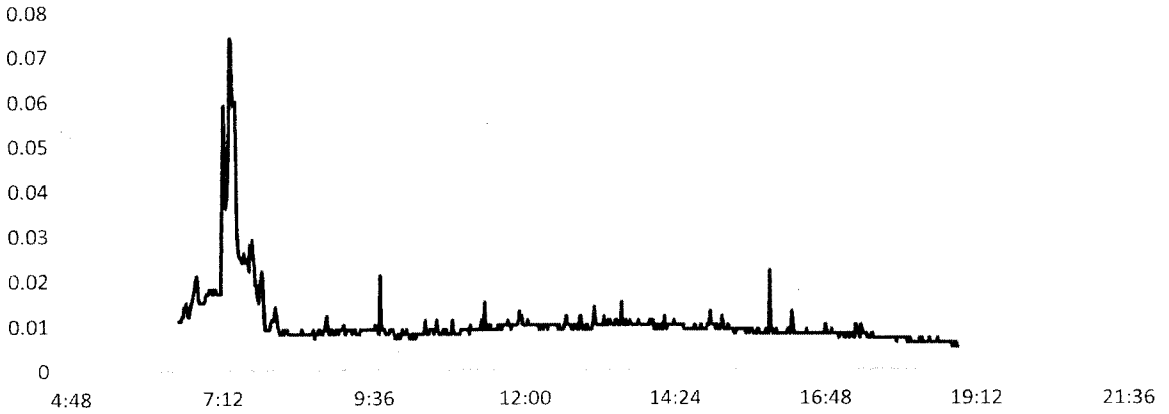
EPA TRAILER Downwind Site

Instrument	Analyte	Air Quality Index	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	583	446	0 - 72 ug/m3	16.4 ug/m3	See SOG #: T106

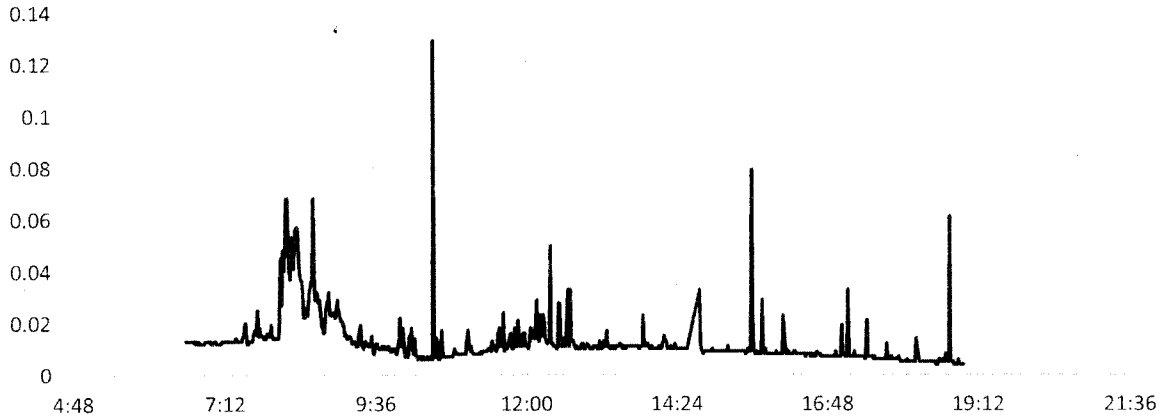
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

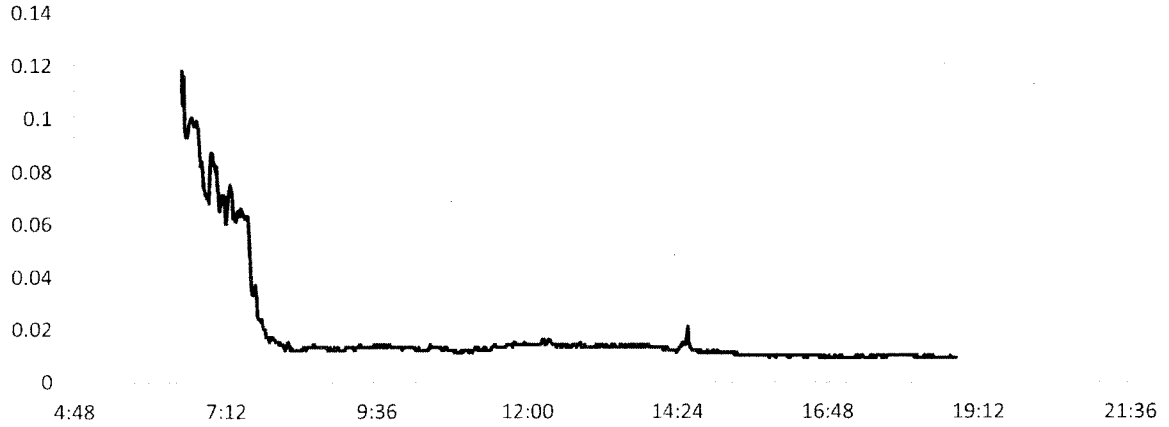
8/20/19 Day Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



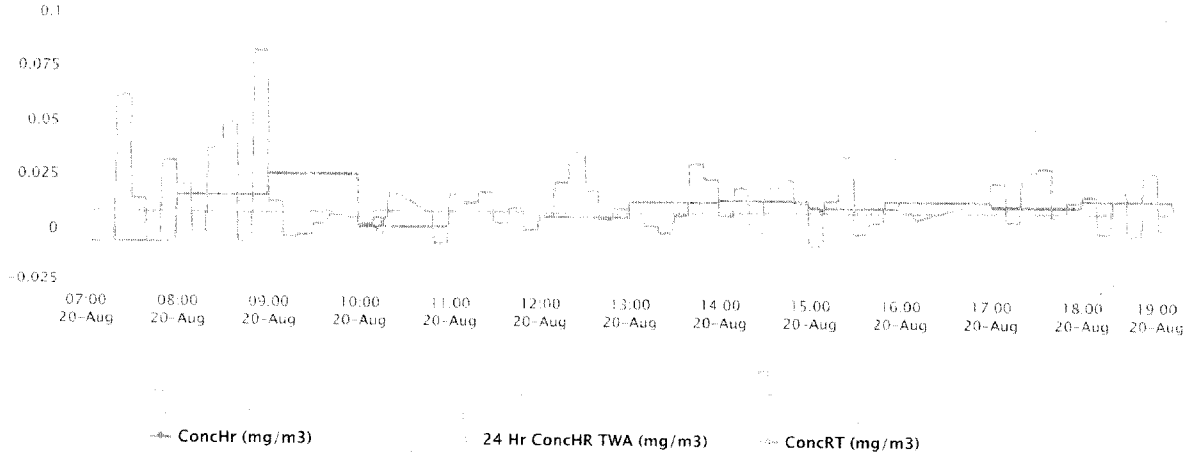
8/20/19 DAY Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



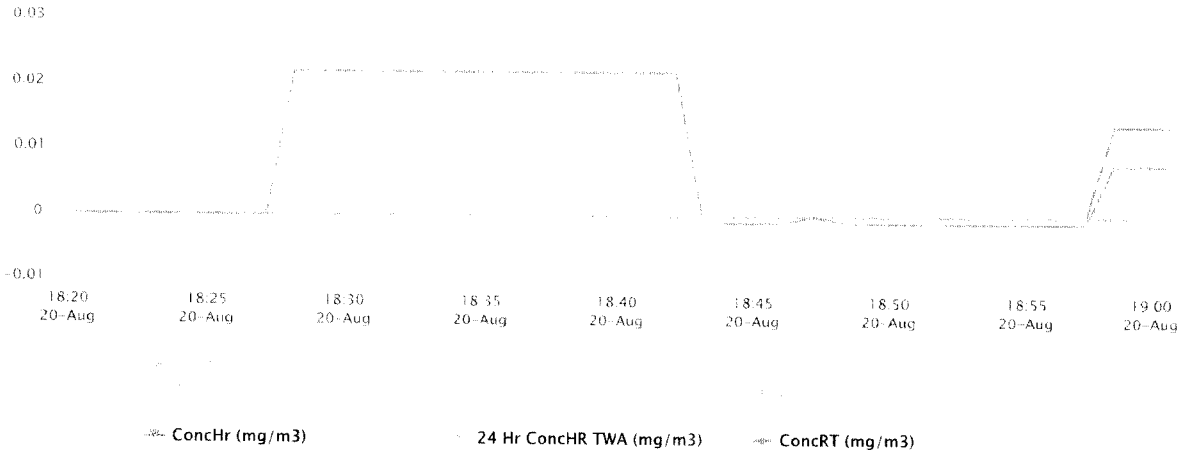
8/20/19 DAY Data for DustTrak 3 ($PM_{2.5}$) - Grace Coastal Church



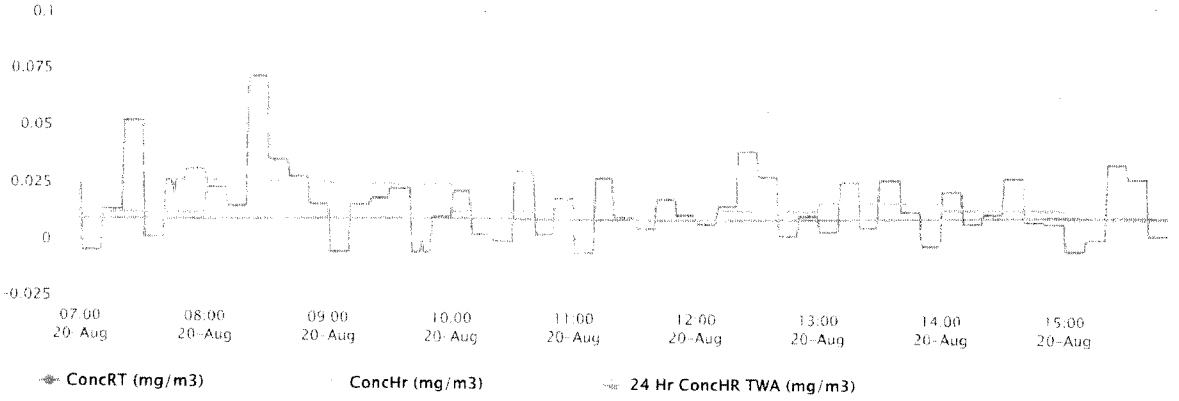
8/20/19 DAY Data for EBAM 1 (ConcRT) – Sun City



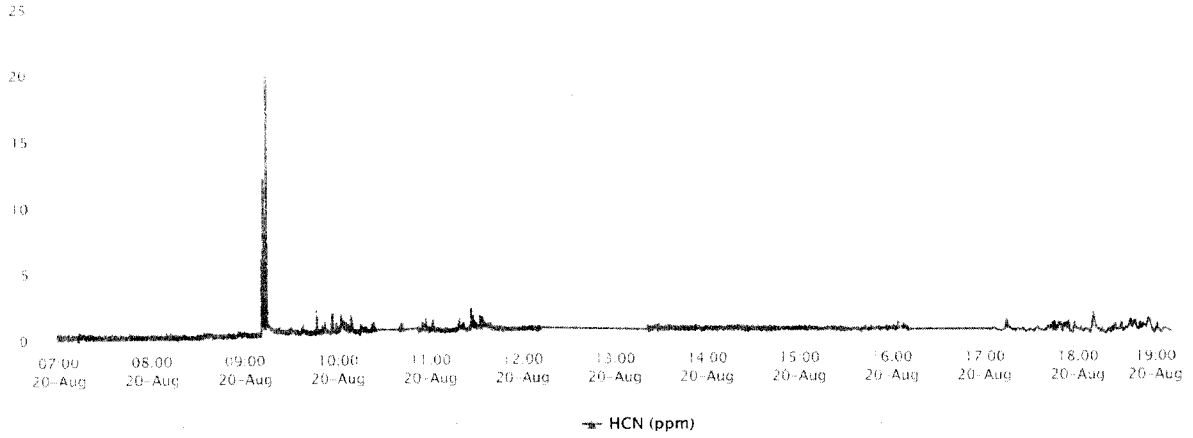
8/20/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



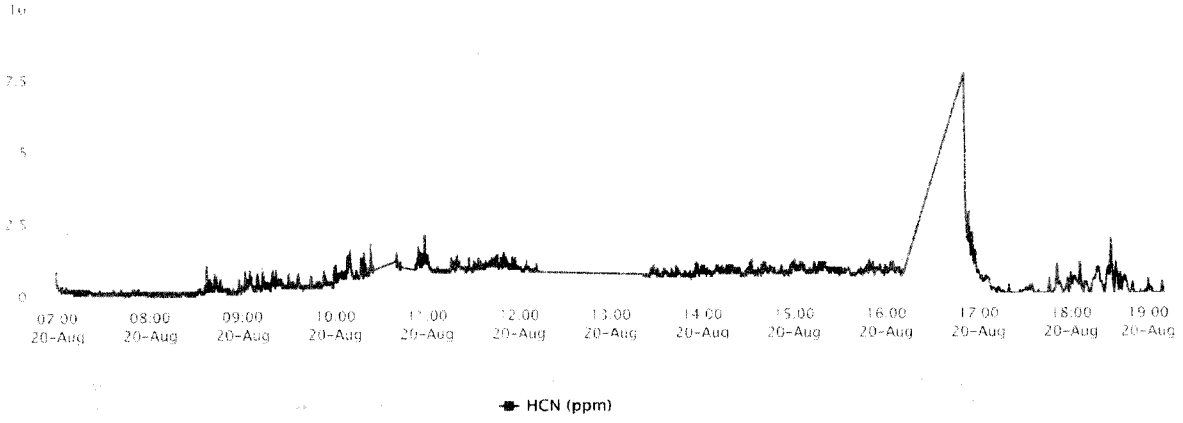
8/20/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



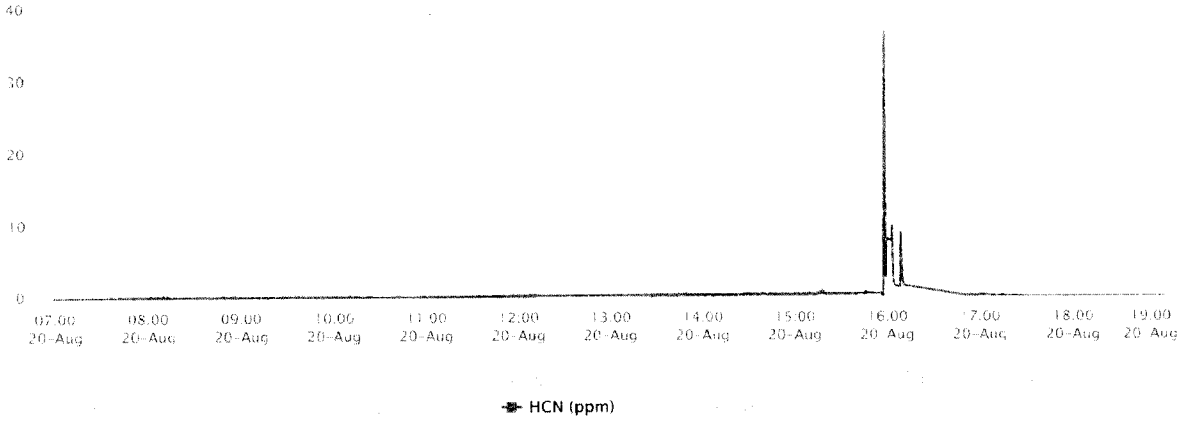
8/20/19 DAY Data for AREARAE PRO 1 (HCn) – Southwest of Pile



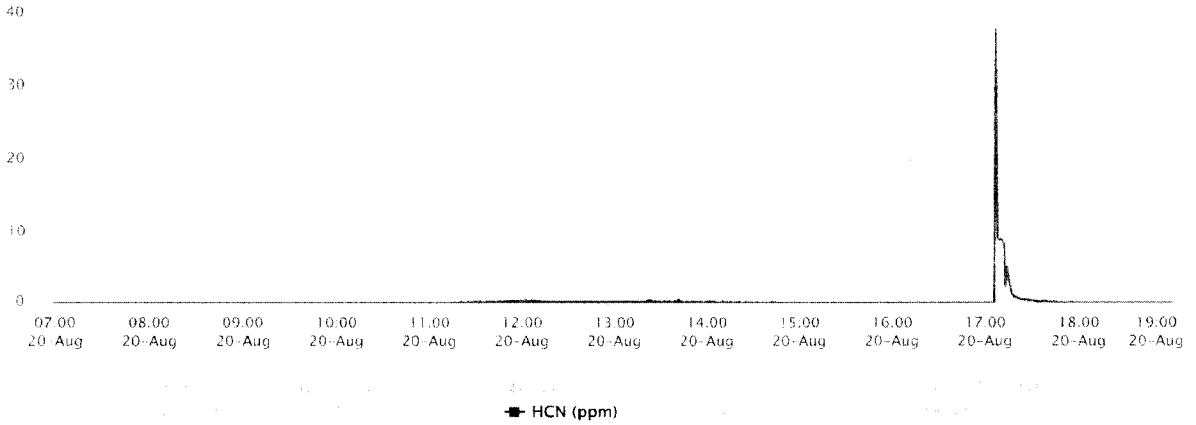
8/20/19 DAY Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/20/19 DAY Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/20/19 DAY Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: Able Contracting Fire

From: **8/9/19 19:07** ***To:*** **8/10/19 9:25**

SE Corner of Able Contracting

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	2,276	86	0 - 322 ppb	3.9 ppb	1,000 ppb
	CO	No	2,276	18	0 - 6 ppm	0 ppm	83 ppm
	H_2S	No	2,276	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	2,276	2,276	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	2,276	0	0 - 0%	0%	10%

Trailer Office South of Site

DustTrak 1	PM-2.5	Unhealthy	3,284	3,284	37 - 970 µg/m³	137 µg/m³	See SOG #: T106

On Able Contracting, West of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	1,120	0	0 - 0 ppm	0 ppm	1.0 ppm
	CO	No	1,120	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	1,120	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	1,120	494	20.6 - 20.9%	20.66%	<19.5 or >23%
	LEL	No	1,120	0	0 - 0 %	0%	10%

Off Able Contracting Fence

DustTrak 2	PM-2.5	Moderate	3,027	3,027	8 - 139 µg/m³	20.6 µg/m³	See SOG #: T106

Able Contracting Warehouse, Northeast of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	1,148	3	0 - 256 ppb	0 ppm	1,000 ppb
	CO	No	1,148	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	1,148	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	1,148	1,148	20.9 - 20.9%	20.90%	<19.5 or >23%
	LEL	No	1,148	0	0 - 0%	0%	10%

Sun City

DustTrak 3	PM-2.5	Good	1,826	1,826	1 - 27 µg/m³	11.3 µg/m³	See SOG #: T106

Residence Downwind

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	2,579	0	0 - 0 ppm	0 ppm	1,000 ppb
	CO	No	2,579	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	2,579	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	2,579	2,579	20.5 - 20.9%	20.90%	<19.5 or >23%
	LEL	No	2,579	0	0 - 0%	0%	10%

Notes:

- % Percent
- < Less than
- > Greater than
- AEGL Acute Exposure Guideline levels for airborne chemicals
- CO Carbon monoxide
- H_2S Hydrogen Sulfide
- LEL Lower Explosive Level
- min Minute
- O_2 Oxygen
- PEL Permissible exposure limit
- ppb Parts per billion
- ppm Parts per million
- PM Particulate matter
- SOG Standard Operating Guidelines
- TLV Threshold limit value
- µg/m³ Micrograms per cubic meter
- VOC Volatile organic compoud

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: Able Contracting Fire

From: **8/10/19 7:00** ***To:*** **8/10/19 19:00**

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	788	92	0 - 416 ppb	12.3 ppb	1,000 ppb
	CO	No	788	24	0 - 6 ppm	0.1 ppm	83 ppm
	H_2S	No	788	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	788	788	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	788	0	0 - 0%	0%	10%

DustTrak 1	PM-2.5	Unhealthy	1,358	1,358	2 - 268 µg/m³	137 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	787	6	0 - 420 ppb	1.8 ppb	1,000 ppb
	CO	No	787	14	0 - 6 ppm	0.1 ppm	83 ppm
	H_2S	No	787	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	787	787	20.4 - 20.9%	20.7%	<19.5 or >23%
	LEL	No	787	0	0 - 0 %	0%	10%

DustTrak 2	PM-2.5	Moderate	1,769	1,769	7 - 139 µg/m³	26.1 µg/m³	See SOG #: T106

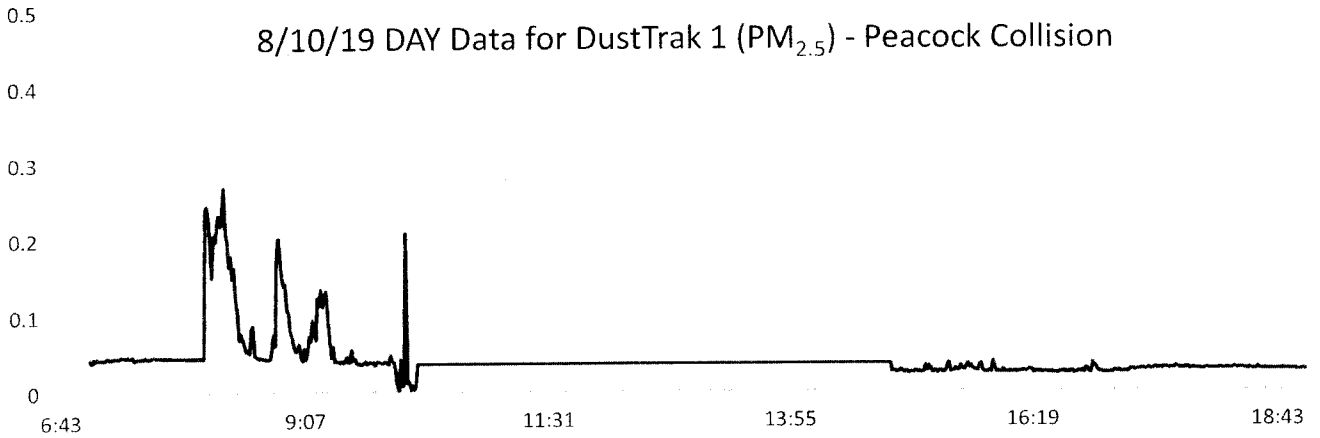
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	782	27	0 - 256 ppb	2.3 ppb	1,000 ppb
	CO	No	782	24	0 - 6 ppm	0.1 ppm	83 ppm
	H_2S	No	782	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	782	782	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	782	0	0 - 0%	0%	10%

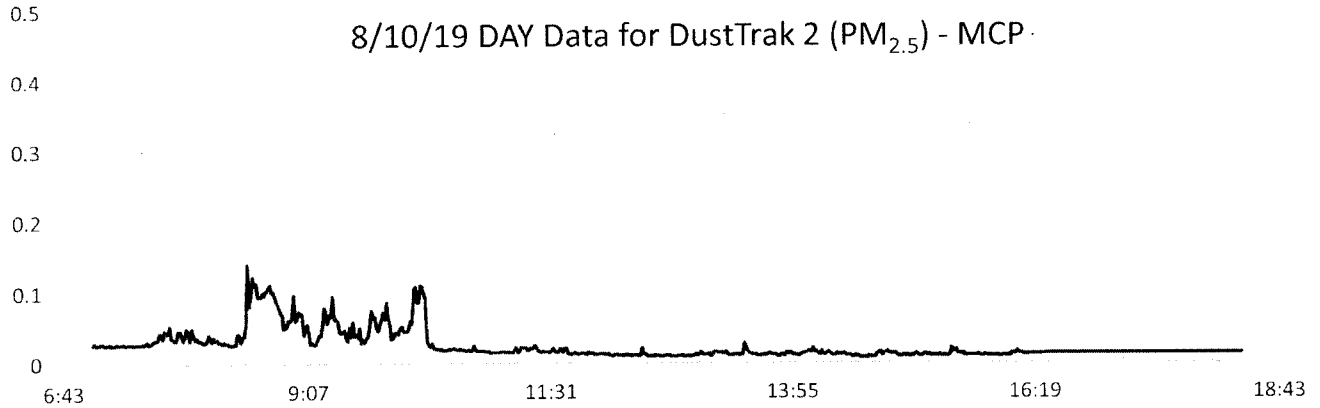
DustTrak 3	PM-2.5	Moderate	1,330	1,330	17 - 27 µg/m³	20.4 µg/m³	See SOG #: T106

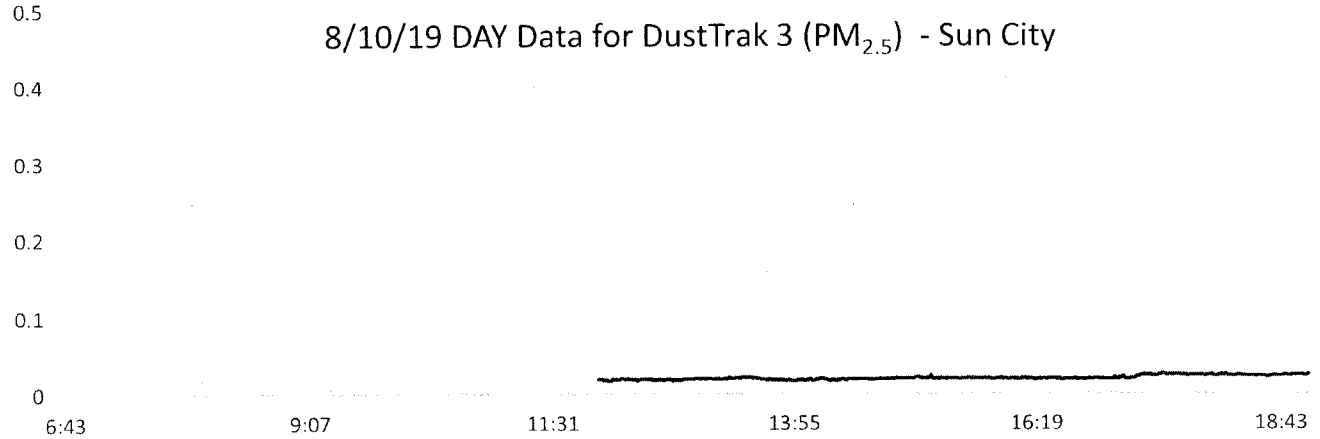
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	783	212	0 - 117 ppb	14 ppb	1,000 ppb
	CO	No	783	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	783	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	783	783	20.7 - 21.9%	21.5%	<19.5 or >23%
	LEL	No	783	0	0 - 0%	0%	10%

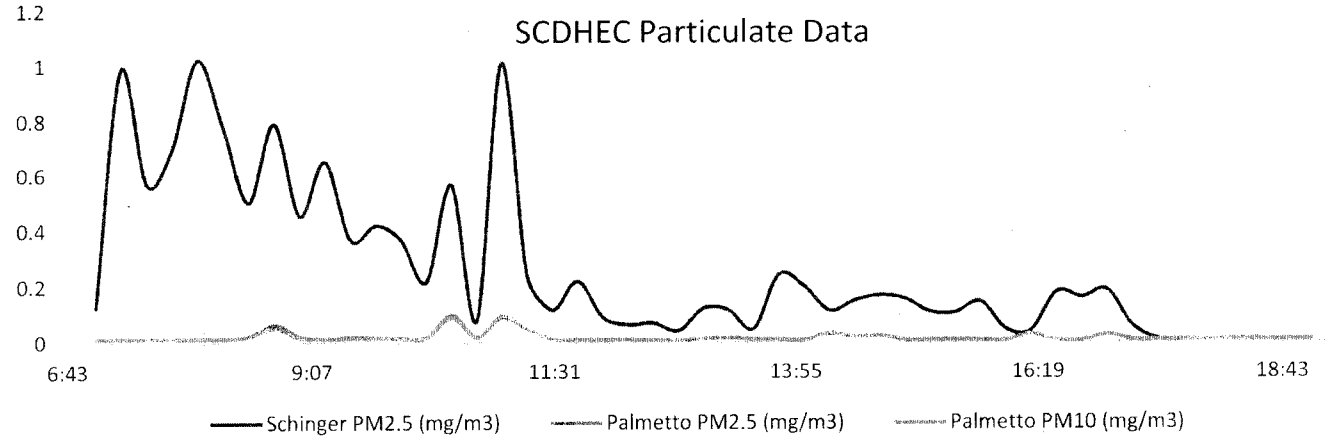
Notes:

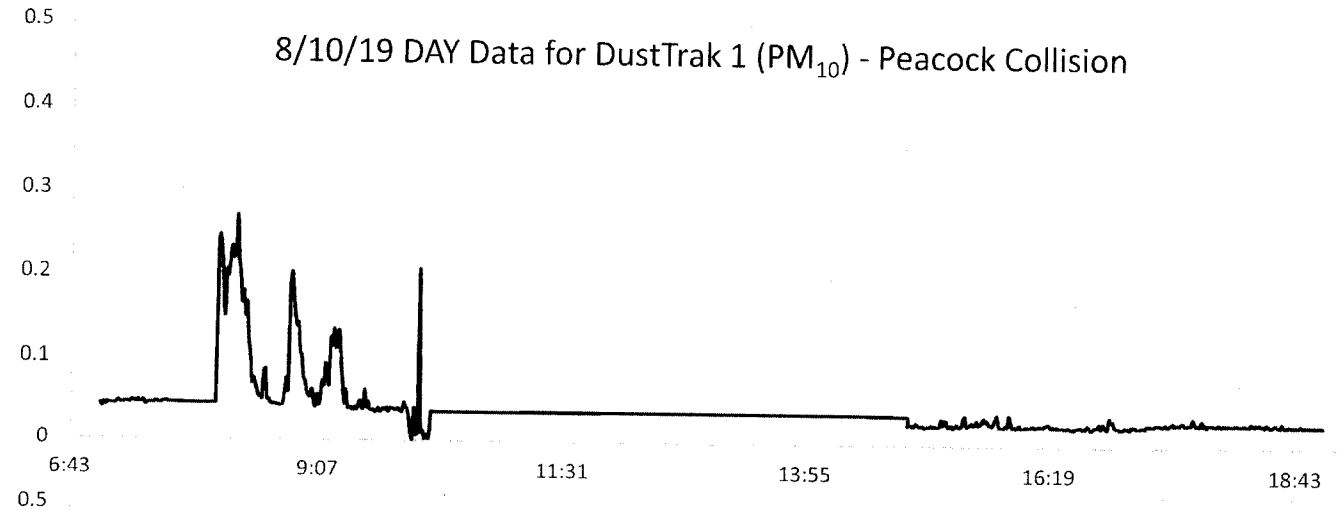
%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

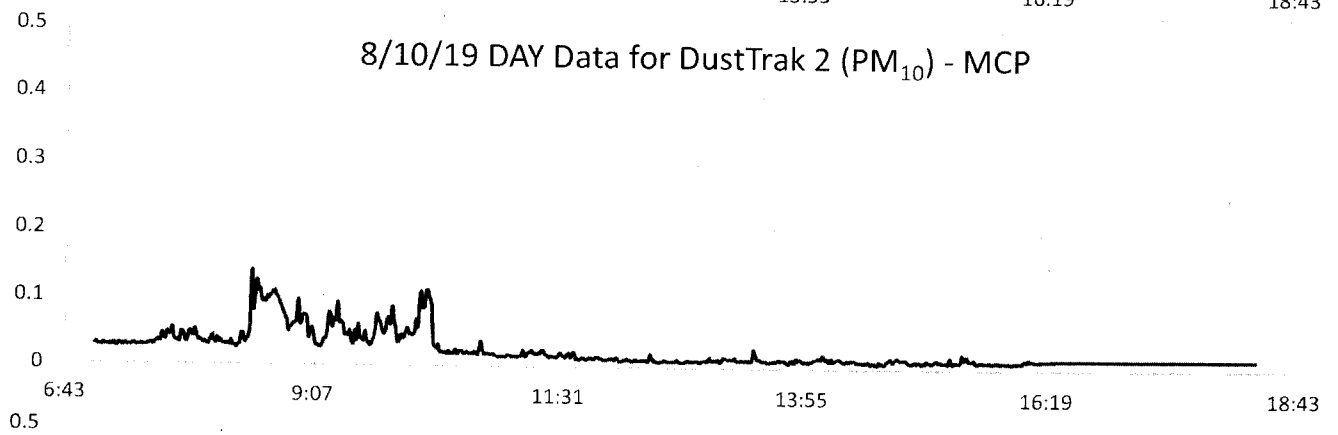

8/10/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision
0.5
0.4
0.3
0.2
0.1
0
6:43
9:07
11:31
13:55
16:19
18:43


8/10/19 DAY Data for DustTrak 2 ($PM_{2.5}$) - MCP
0.5
0.4
0.3
0.2
0.1
0
6:43
9:07
11:31
13:55
16:19
18:43


8/10/19 DAY Data for DustTrak 3 ($PM_{2.5}$) - Sun City
0.5
0.4
0.3
0.2
0.1
0
6:43
9:07
11:31
13:55
16:19
18:43


SCDHEC Particulate Data
1.2
1
0.8
0.6
0.4
0.2
0
6:43
9:07
11:31
13:55
16:19
18:43
Schinger PM2.5 (mg/m3)
Palmetto PM2.5 (mg/m3)
Palmetto PM10 (mg/m3)


8/10/19 DAY Data for DustTrak 1 (PM_{10}) - Peacock Collision
0.5
0.4
0.3
0.2
0.1
0
6:43
9:07
11:31
13:55
16:19
18:43


8/10/19 DAY Data for DustTrak 2 (PM_{10}) - MCP
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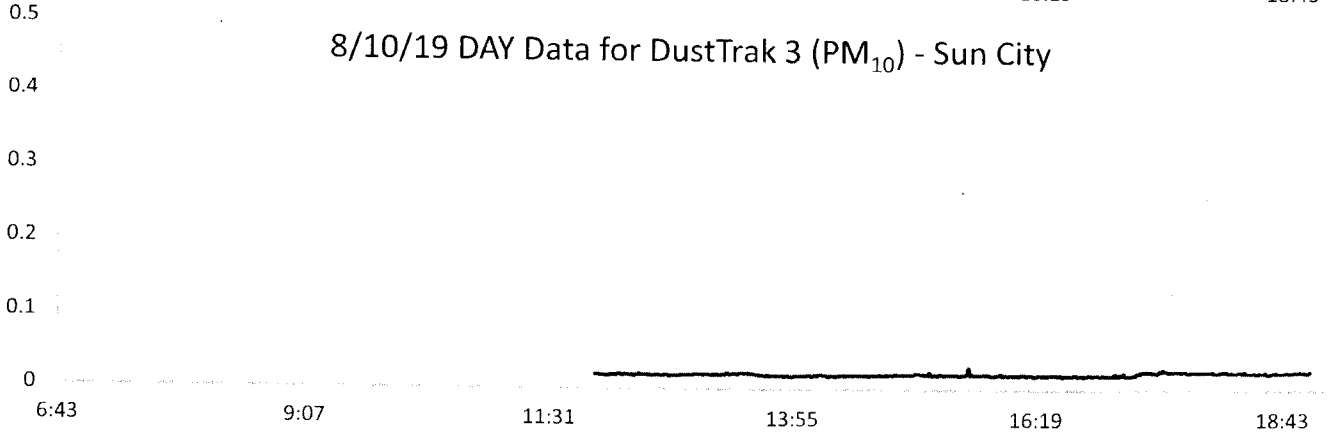
0.3
0.2
0.1
0
6:43
9:07
11:31
13:55
16:19
18:43


8/10/19 DAY Data for DustTrak 3 (PM_{10}) - Sun City
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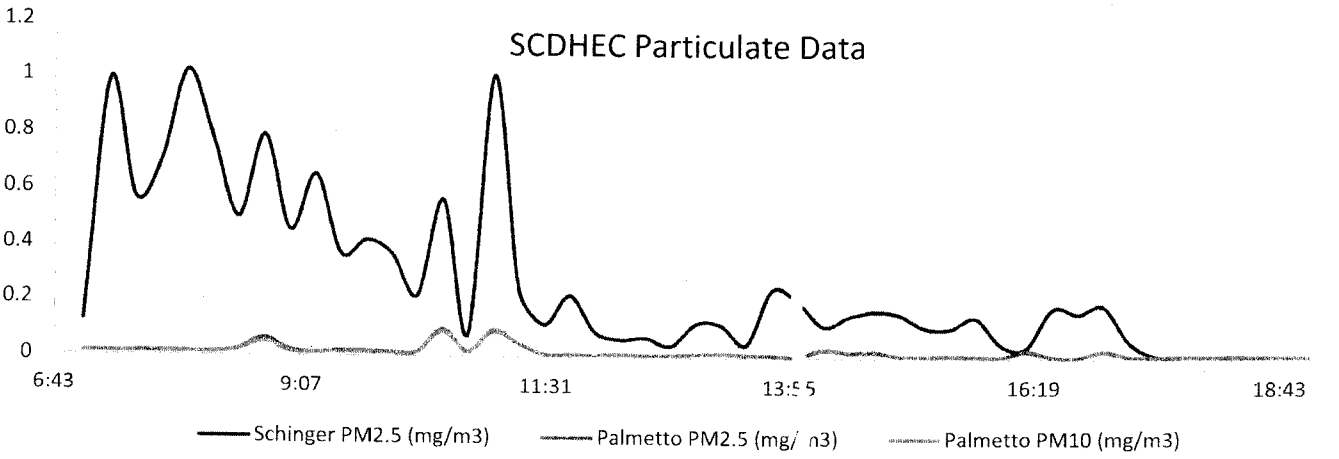
0.3
0.2
0.1
0
6:43
9:07
11:31
13:55
16:19
18:43


SCDHEC Particulate Data
1.2
1
0.8
0.6
0.4
0.2
0
6:43
9:07
11:31
13:55
16:19
18:43
Schinger PM2.5 (mg/m3)
Palmetto PM2.5 (mg/m3)
Palmetto PM10 (mg/m3)

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: Able Contracting Fire

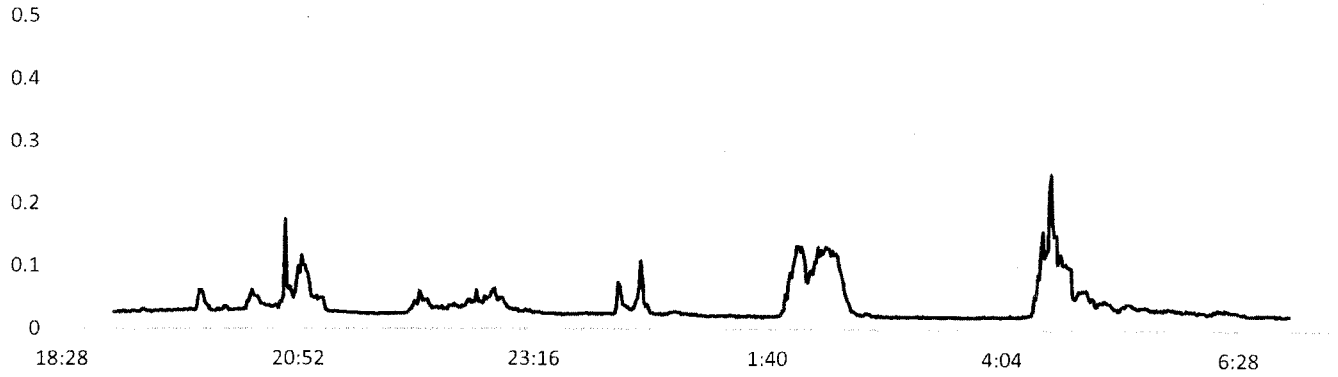
From: **8/10/19 19:00** ***To:*** **8/11/19 7:00**

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
SE Corner of Able Contracting							
AreaRAE 1	VOC	No	753	209	0 - 585 ppb	26.9 ppb	1,000 ppb
	CO	No	753	17	0 - 12 ppm	0.1 ppm	83 ppm
	H_2S	No	753	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	753	753	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	753	0	0 - 0%	0%	10%
Peacock Condition							
DustTrak 1	PM-2.5	Unhealthy for Sensitive Populations	2,235	2,235	18 - 247 µg/m³	37.7 µg/m³	See SOG #: T106
On Site, Approximately West of Fire							
AreaRAE 2	VOC	No	750	10	0 - 656 ppb	2.4 ppb	1,000 ppb
	CO	No	750	1	0 - 5 ppm	0 ppm	83 ppm
	H_2S	No	750	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	750	750	20.6 - 20.9%	20.8%	<19.5 or >23%
	LEL	No	750	0	0 - 0 %	0%	10%
[illegible]							
DustTrak 2	PM-2.5	Moderate	2,014	2,011	0 - 186 µg/m³	24.4 µg/m³	See SOG #: T106
[illegible]							
AreaRAE 3	VOC	No	757	81	0 - 526 ppb	12.2 ppb	1,000 ppb
	CO	No	757	22	0 - 4 ppm	0.1 ppm	83 ppm
	H_2S	No	757	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	757	757	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	757	0	0 - 0%	0%	10%
Sun City							
DustTrak 3	PM-2.5	Moderate	2,258	2,258	13 - 28 µg/m³	17.9 µg/m³	See SOG #: T106
Peacock Condominiums							
AreaRAE 4	VOC	No	761	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	761	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	761	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	761	761	20.9 - 21.6%	21%	<19.5 or >23%
	LEL	No	761	0	0 - 0%	0%	10%

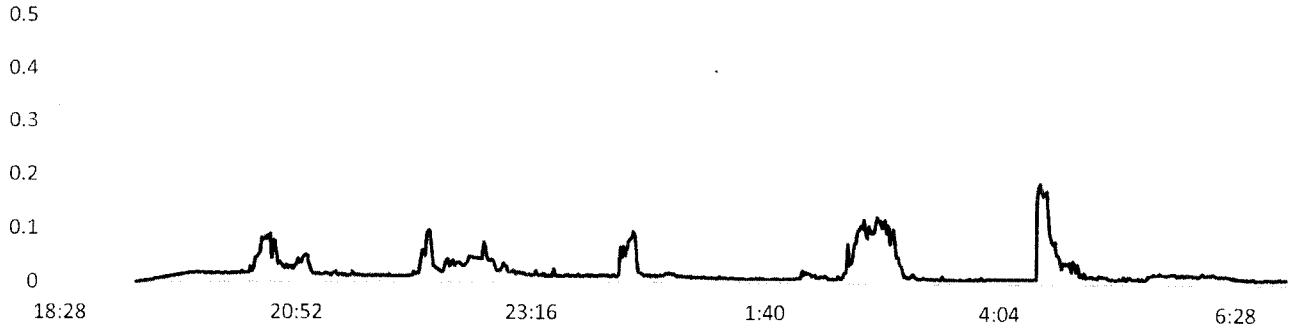
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

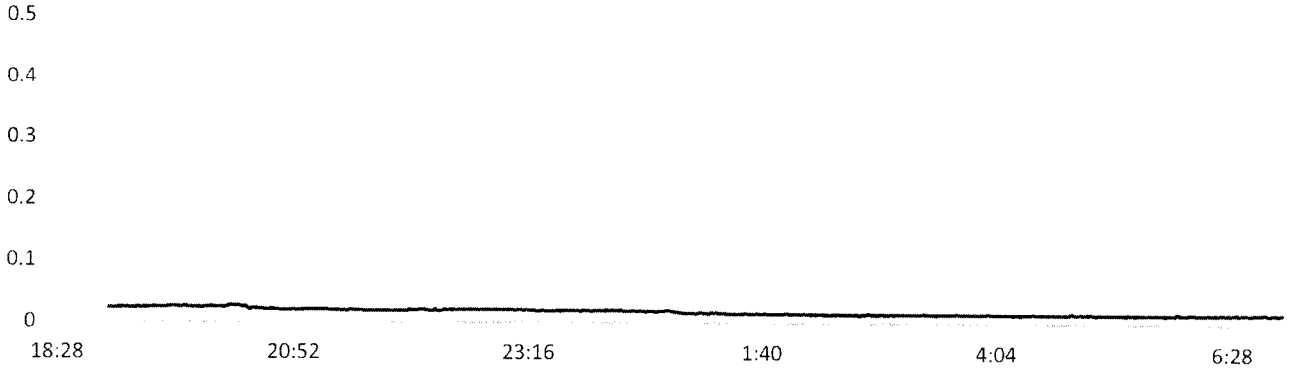
8/10/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



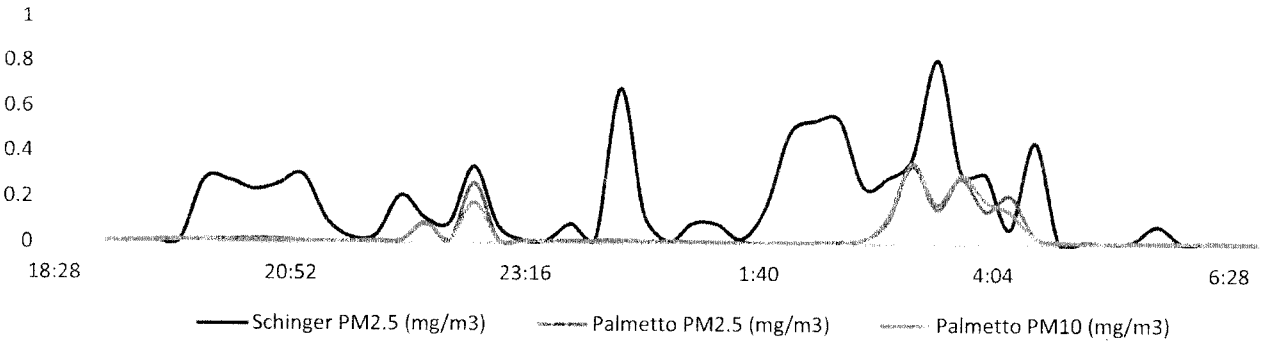
8/10/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) - MCP



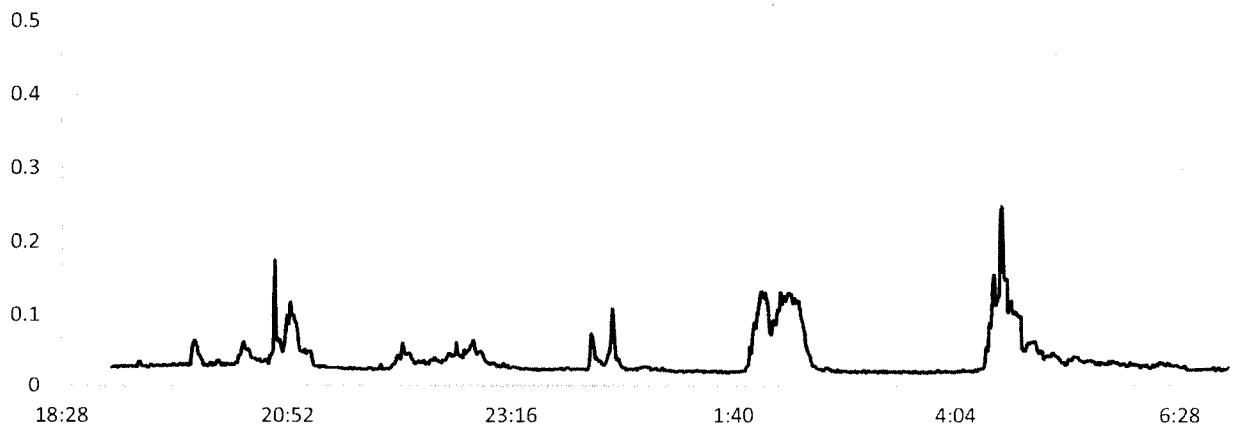
8/10/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) - Sun City



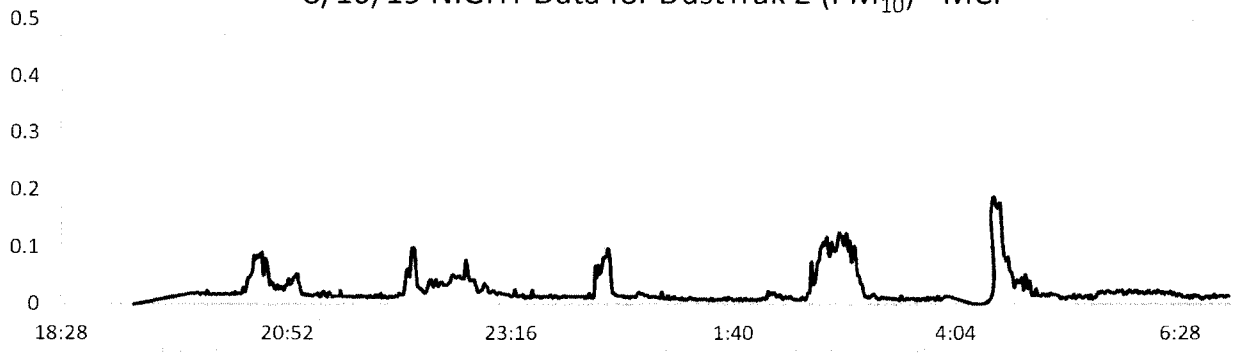
SCDHEC Particulate Data



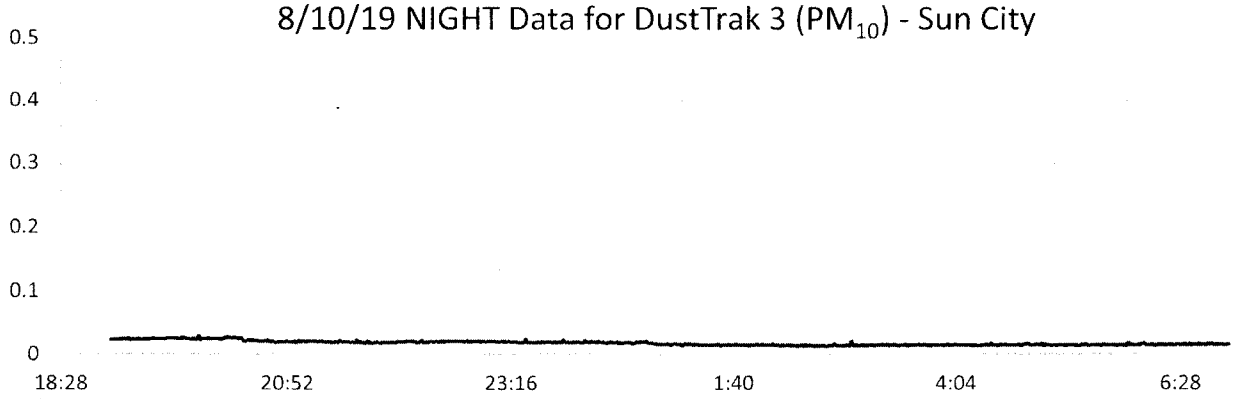
8/10/19 NIGHT Data for DustTrak 1 (PM_{10}) - Peacock Collision



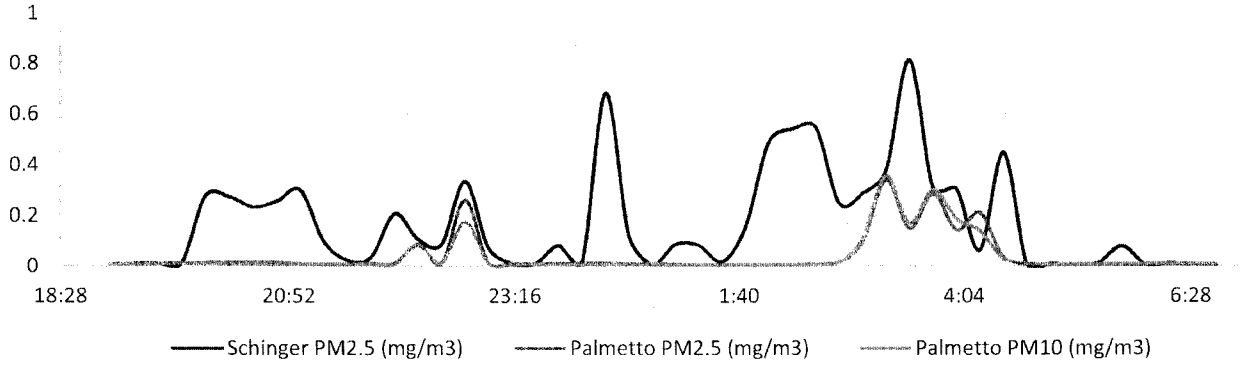
8/10/19 NIGHT Data for DustTrak 2 (PM_{10}) - MCP



8/10/19 NIGHT Data for DustTrak 3 (PM_{10}) - Sun City



SCDHEC Particulate Data



Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: Able Contracting Fire

From: **8/11/19 7:00** ***To:*** **8/11/19 19:00**

SE Corner of Able Contracting

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	757	24	0 - 397 ppb	3.3 ppb	1,000 ppb
	CO	No	757	22	0 - 8 ppm	0.1 ppm	83 ppm
	H_2S	No	757	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	757	757	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	757	0	0 - 0%	0%	10%

[illegible] - 200 Short Cut Rd

DustTrak 1	PM-2.5	Moderate	2,023	2,023	21 - 139 µg/m³	31.1 µg/m³	See SOG #: T106

[illegible] West of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	753	41	0 - 541 ppb	8.9 ppb	1,000 ppb
	CO	No	753	70	0 - 7 ppm	0.4 ppm	83 ppm
	H_2S	No	753	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	753	753	20.5 - 20.9%	20.7%	<19.5 or >23%
	LEL	No	753	0	0 - 0 %	0%	10%

EPA Mobile Command Post

DustTrak 2	PM-2.5	Moderate	1,951	1,723	0 - 76 µg/m³	13 µg/m³	See SOG #: T106

Able Contracting, [illegible], Northeast of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	766	7	0 - 204 ppb	0.6 ppb	1,000 ppb
	CO	No	766	21	0 - 4 ppm	0.1 ppm	83 ppm
	H_2S	No	766	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	766	766	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	766	0	0 - 0%	0%	10%

Pam City

DustTrak 3	PM-2.5	Moderate	2,267	2,267	13 - 32 µg/m³	20.1 µg/m³	See SOG #: T106

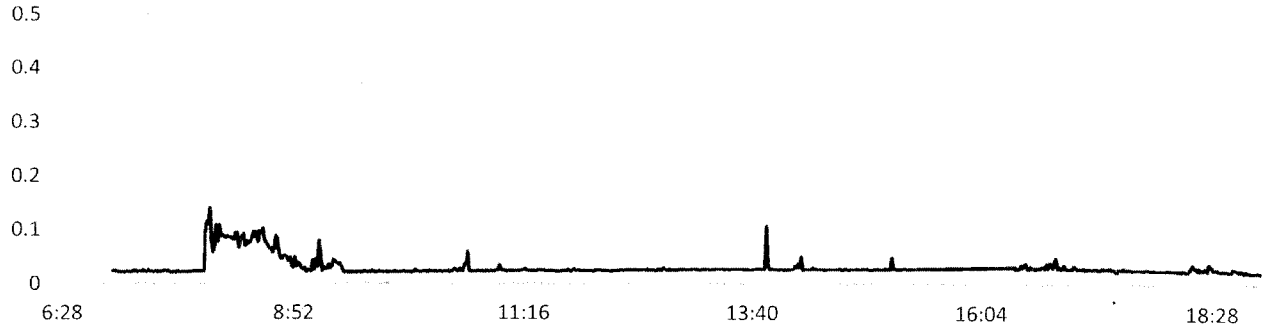
Pamlico Exterminators

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	771	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	771	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	771	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	771	771	20.9 - 21.8%	21.4%	<19.5 or >23%
	LEL	No	771	0	0 - 0%	0%	10%

Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

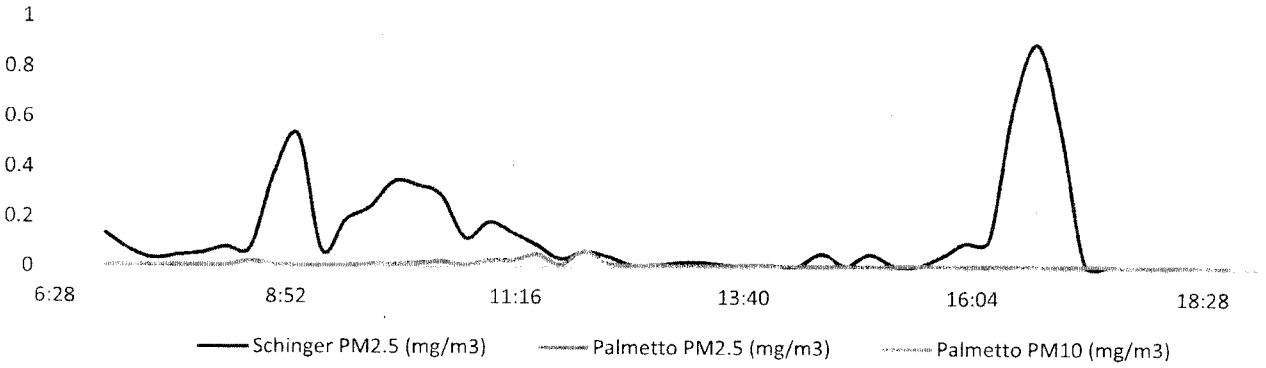
8/11/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - BGIE 240 Short Cut Rd



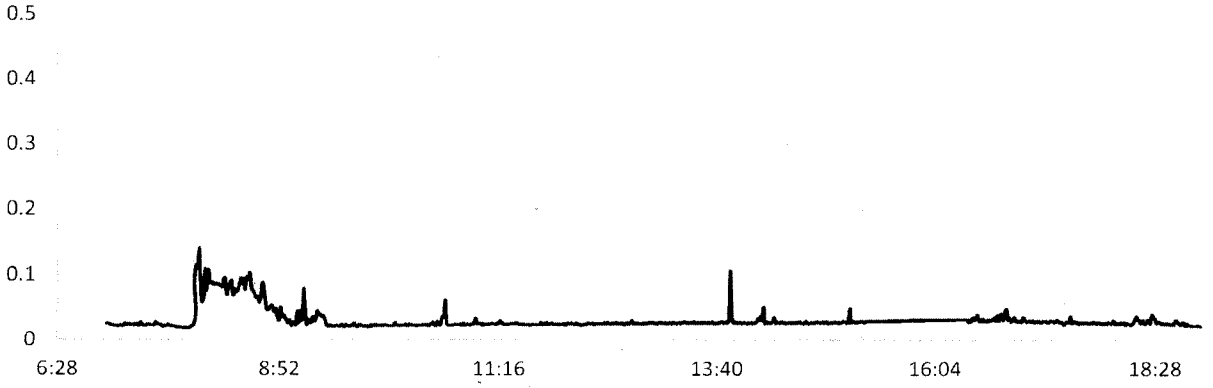
8/11/19 DAY Data for DustTrak 2 ($PM_{2.5}$) - MCP

8/11/19 DAY Data for DustTrak 3 ($PM_{2.5}$) - Sun City

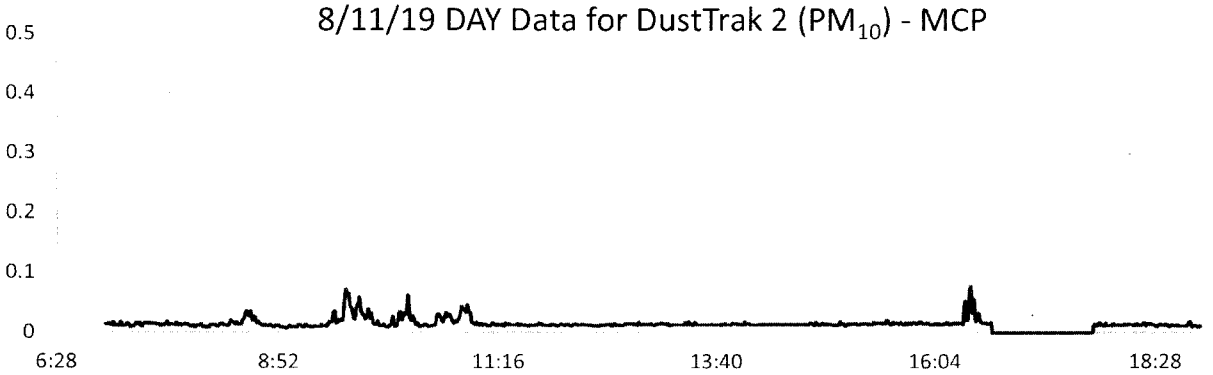
SCDHEC Particulate Data



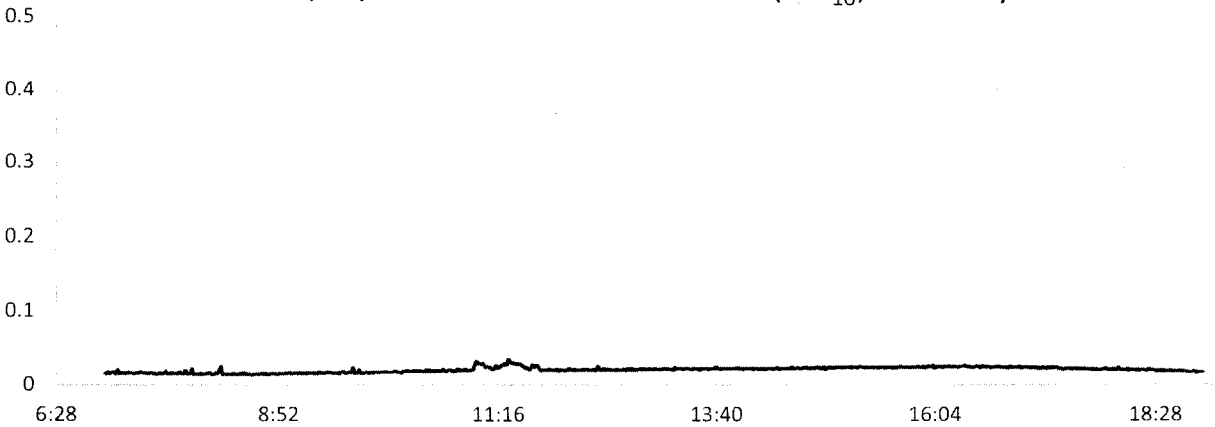
8/11/19 DAY Data for DustTrak 1 (PM_{10}) - BGIE 240 Short Cut Rd



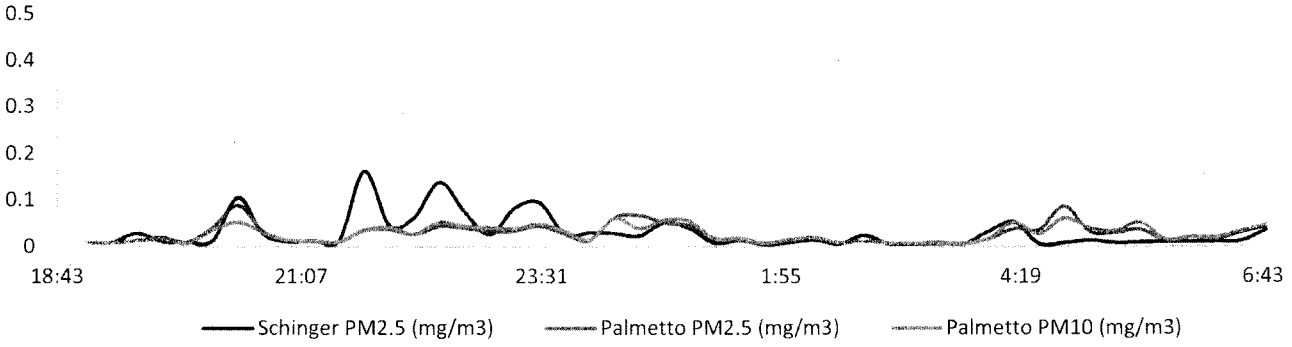
8/11/19 DAY Data for DustTrak 2 (PM_{10}) - MCP



8/11/19 DAY Data for DustTrak 3 (PM_{10}) - Sun City



SCDHEC Particulate Data



Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: Able Contracting Fire

From: **8/11/19 19:00** ***To:*** **8/12/19 6:59**

SE Corner of Able Contracting

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	752	35	0 - 297 ppb	2.4 ppb	1,000 ppb
	CO	No	752	3	0 - 4 ppm	0 ppm	83 ppm
	H_2S	No	752	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	752	752	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	752	0	0 - 0%	0%	10%

[illegible]

DustTrak 1	PM-2.5	Moderate	2,090	2,087	0 - 148 µg/m³	27.1 µg/m³	See SOG #: T106

On Site, [illegible] Front of File

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	760	19	0 - 375 ppb	4.2 ppb	1,000 ppb
	CO	No	760	9	0 - 5 ppm	0 ppm	83 ppm
	H_2S	No	760	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	760	760	20.6 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	760	0	0 - 0 %	0%	10%

EPA Mobile Command Post

DustTrak 2	PM-2.5	Moderate	2,014	2,011	0 - 186 µg/m³	24.4 µg/m³	See SOG #: T106

Able Contracting [illegible], Northeast of File

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	754	2	0 - 37 ppb	0.1 ppb	1,000 ppb
	CO	No	754	2	0 - 3 ppm	0 ppm	83 ppm
	H_2S	No	754	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	754	754	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	754	0	0 - 0%	0%	10%

San City

DustTrak 3	PM-2.5	Moderate	2,224	2,164	0 - 190 µg/m³	31.4 µg/m³	See SOG #: T106

Fenceline Concentrations

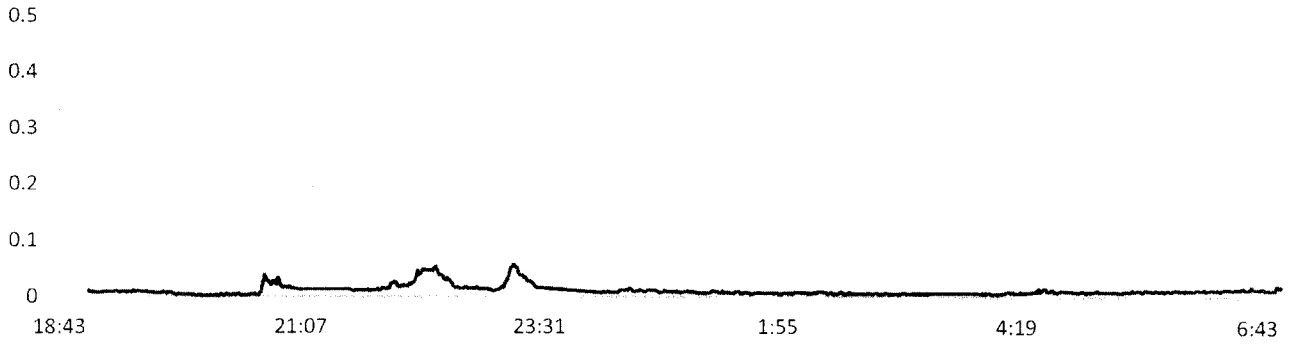
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	755	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	755	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	755	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	755	755	20.9 - 21.5%	21%	<19.5 or >23%
	LEL	No	755	0	0 - 0%	0%	10%

Notes:

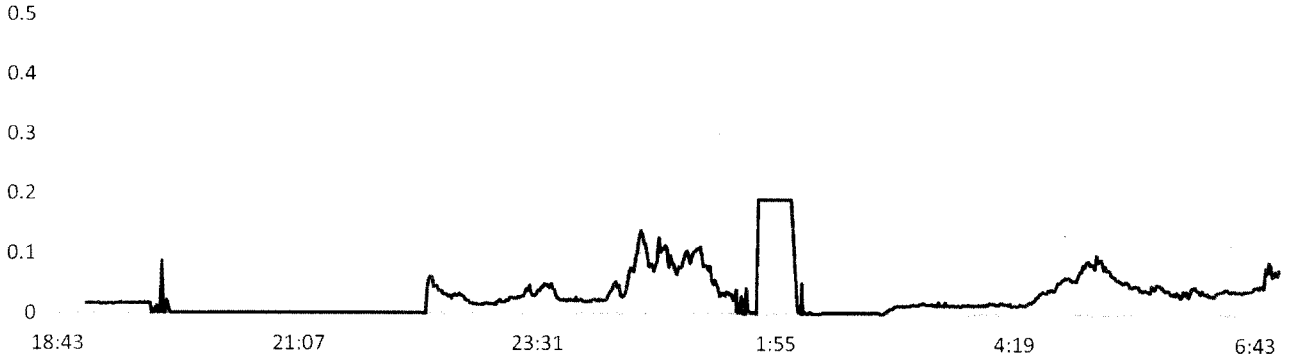
%	Percent	PEL	Permissible exposure limit
<	Less than	ppb	Parts per billion
>	Greater than	ppm	Parts per million
AEGL	Acute Exposure Guideline levels for airborne chemicals	PM	Particulate matter
CO	Carbon monoxide	SOG	Standard Operating Guidelines
H_2S	Hydrogen Sulfide	TLV	Threshold limit value
LEL	Lower Explosive Level	µg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud
O_2	Oxygen		

8/11/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Brooke Mill Apartments

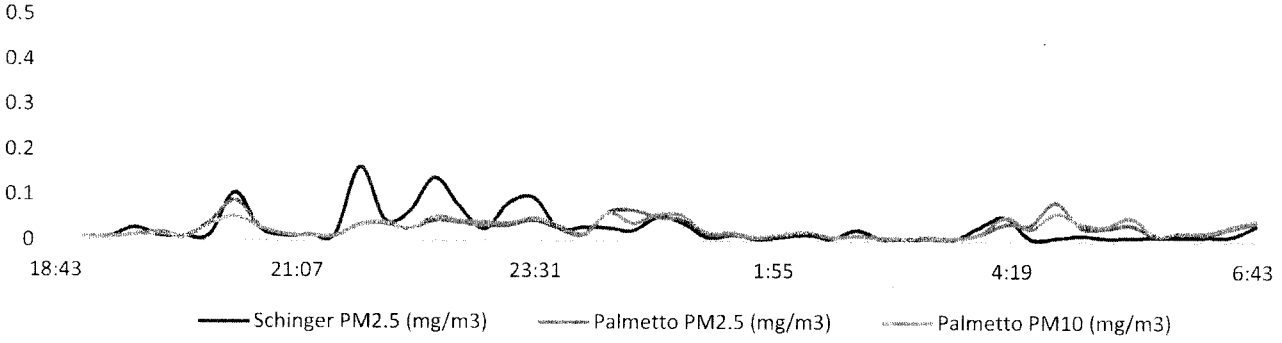
8/11/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) - MCP



8/11/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) - Sun City

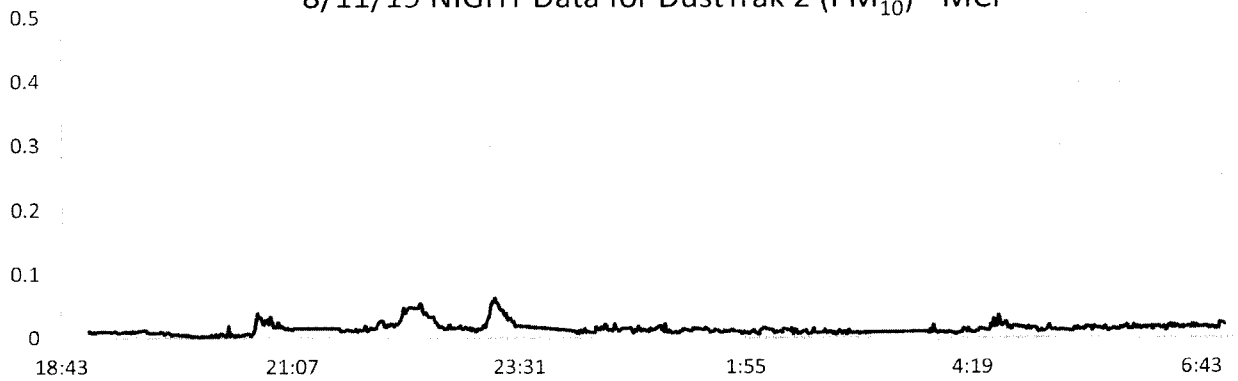


SCDHEC Particulate Data

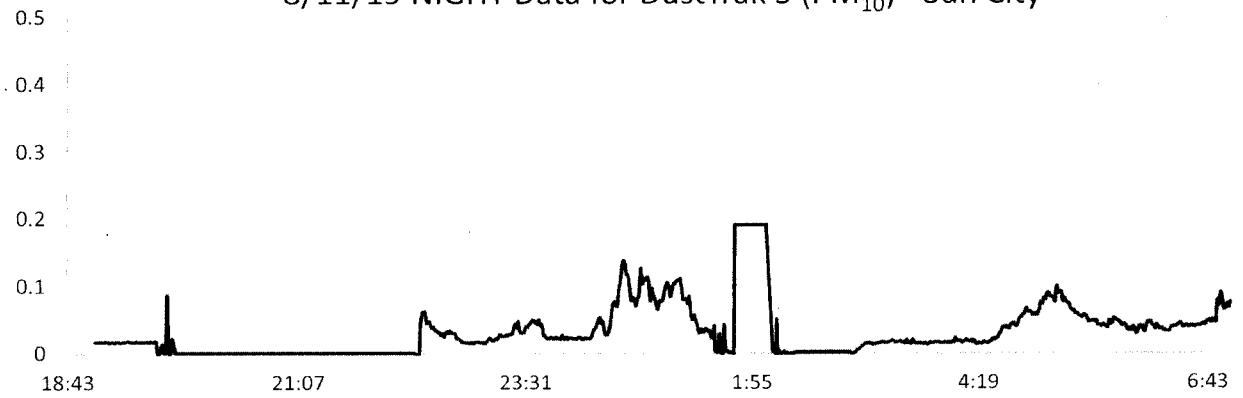


8/11/19 NIGHT Data for DustTrak 1 (PM_{10}) - Brooke Mill Apartments

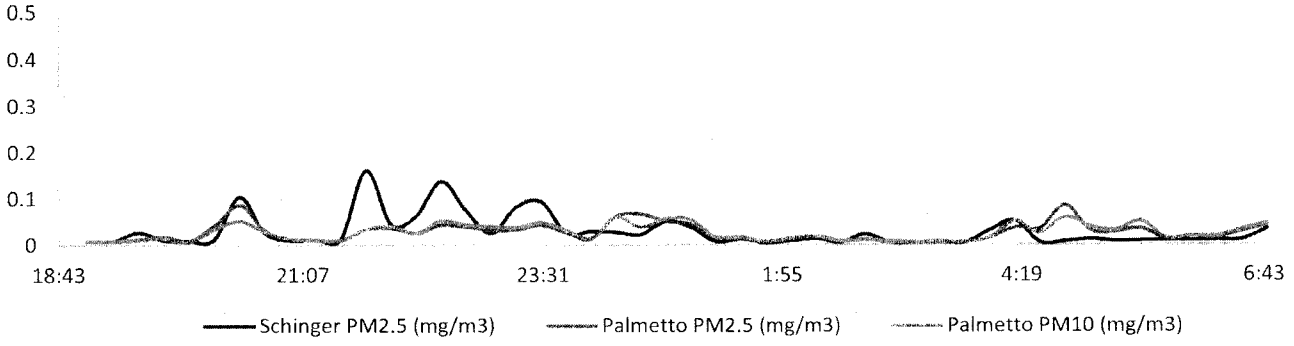
8/11/19 NIGHT Data for DustTrak 2 (PM_{10}) - MCP



8/11/19 NIGHT Data for DustTrak 3 (PM_{10}) - Sun City



SCDHEC Particulate Data



Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/12/19 19:00** ***To:*** ***8/13/19 6:58***

SE Corner of Able Contracting							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 1	VOC	No	754	48	0 - 510 ppb	5.5 ppb	1,000 ppb
	CO	No	754	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	754	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	754	754	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	754	0	0 - 0%	0%	10%

Brooke Mill Apartments							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
DustTrak 1	PM-2.5	Moderate	2,026	2,026	3 - 67 µg/m³	14.1 µg/m³	See SOG #: T106

On Site, Immediately West of Pile							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 2	VOC	No	751	151	0 - 640 ppb	43.9 ppb	1,000 ppb
	CO	No	751	66	0 - 7 ppm	0.3 ppm	83 ppm
	H_2S	No	751	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	751	751	20.6 - 20.7%	20.6%	<19.5 or >23%
	LEL	No	751	0	0 - 0 %	0%	10%

EPA Mobile Command Post							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
DustTrak 2	PM-2.5	Good	961	961	2 - 9 µg/m³	3.6 µg/m³	See SOG #: T106

Able Contracting Workshop, Northeast of Pile							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 3	VOC	No	752	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	752	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	752	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	752	752	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	752	0	0 - 0%	0%	10%

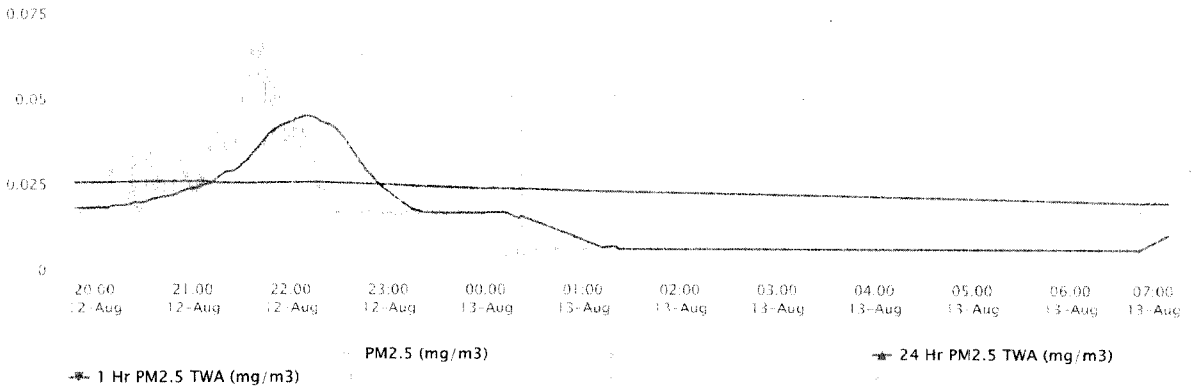
Sun City							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
DustTrak 3	PM-2.5	Moderate	2,267	2,267	9 - 162 µg/m³	32.3 µg/m³	See SOG #: T106

Palmetto Exterminators							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 4	VOC	No	747	1	0 - 2 ppb	0 ppb	1,000 ppb
	CO	No	747	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	747	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	747	747	20.9 - 21.4%	21%	<19.5 or >23%
	LEL	No	747	0	0 - 0%	0%	10%

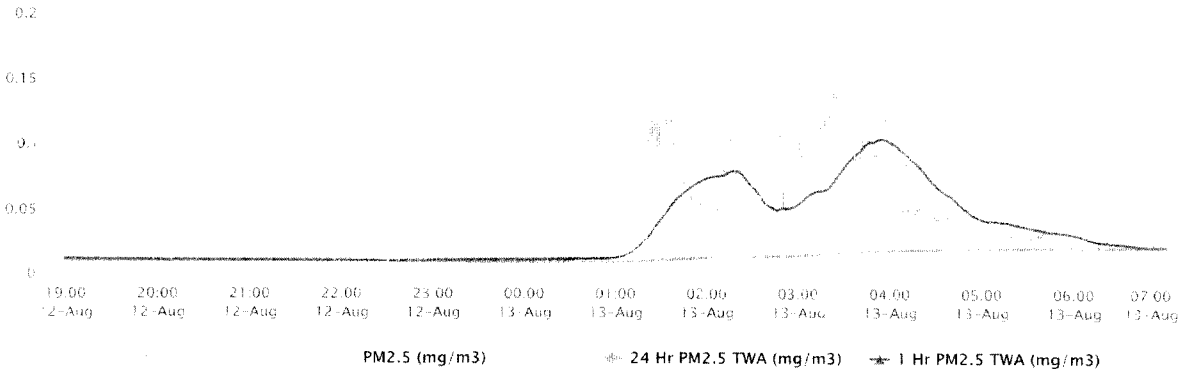
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

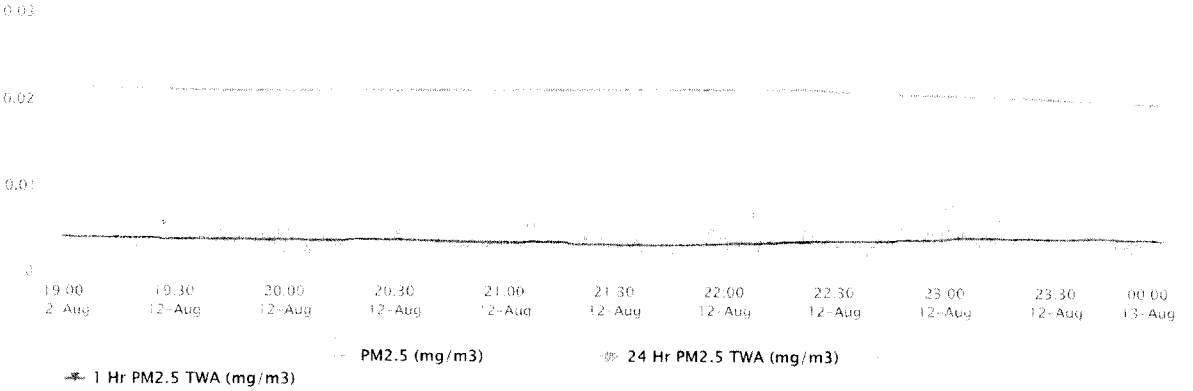
8/12/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Schinger and Hwy 170



8/12/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) - Sun City



8/12/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) – Brooke Mill



Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/13/19 7:00** ***To:*** ***8/13/19 18:58***

SE Corner of Able Contracting							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 1	VOC	No	750	38	0 - 310 ppb	6.6 ppb	1,000 ppb
	CO	No	750	1	0 - 4 ppm	0 ppm	83 ppm
	H_2S	No	750	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	750	750	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	750	0	0 - 0%	0%	10%

Brooke Mill Apartments -Peacock Collision[1]							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
DustTrak 1	PM-2.5	Moderate	2,326	1,789	0 - 1030 µg/m³	31.8 µg/m³	See SOG #: T106

On Site, Immediately West of Pile							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 2	VOC	No	534	25	0 - 557 ppb	10.1 ppb	1,000 ppb
	CO	No	534	32	0 - 7 ppm	0.2 ppm	83 ppm
	H_2S	No	534	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	534	534	20.5 - 20.7%	20.6%	<19.5 or >23%
	LEL	No	534	0	0 - 0 %	0%	10%

EPA Mobile Command Post[2]							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
DustTrak 2	PM-2.5	Good	292	274	-6 - 68 µg/m³	9 µg/m³	See SOG #: T106

Able Contracting Workshop, Northeast of Pile							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 3	VOC	No	749	15	0 - 2304 ppb	6.9 ppb	1,000 ppb
	CO	No	749	11	0 - 6 ppm	0.1 ppm	83 ppm
	H_2S	No	749	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	749	749	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	749	0	0 - 0%	0%	10%

Sun City[3]							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
DustTrak 3	PM-2.5	Moderate	1,236	1,236	12 - 163 µg/m³	31 µg/m³	See SOG #: T106

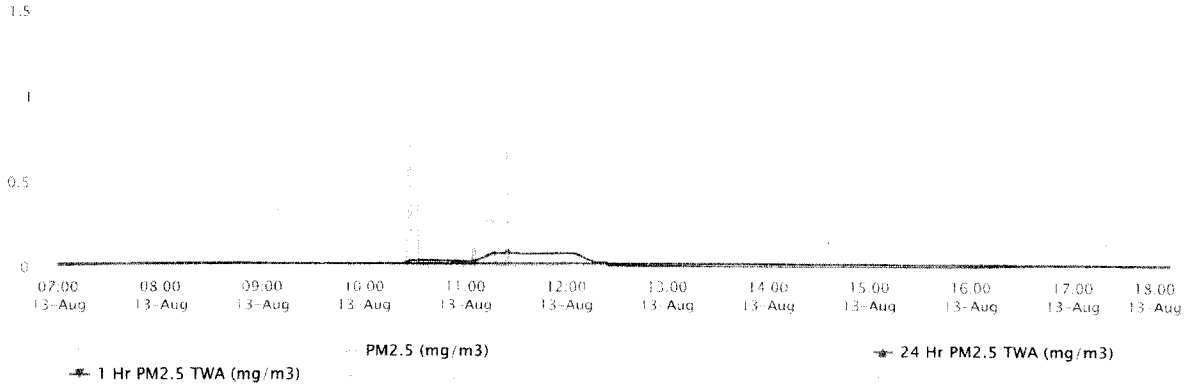
Palmetto Exterminators							
Instrument	**Analyte**	**Period Average Exceedances**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**Action Level (PEL/TLV/60 min AEGL)**
AreaRAE 4	VOC	No	751	3	0 - 58 ppb	0.1 ppb	1,000 ppb
	CO	No	751	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	751	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	751	751	20.9 - 21.8%	21.4%	<19.5 or >23%
	LEL	No	751	0	0 - 0%	0%	10%

Notes:

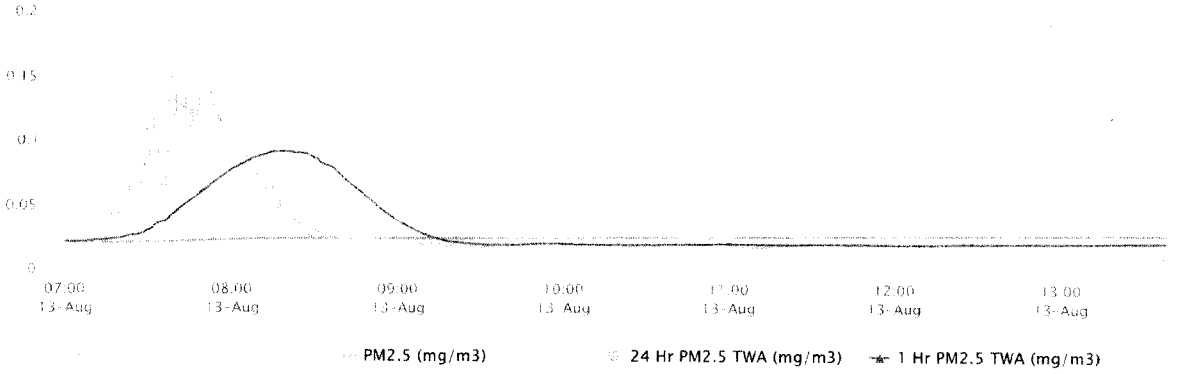
1. DustTrak 1 - Brooke Mill Apartments reported momentary elevated PM2.5 readings during the morning hours. Location was inspected and there was no visible smoke or other materials in the air at the apartments. This DustTrak was relocated to Peacock Collision at 12:35.
2. DustTrak 2 - EPA MCP was switched to different gateway and relocated to Grace Costal Church at 15:15.
3. DustTrak 3 - Sun City was switched to a different gateway and relocated to Short Cut Road at 13:40.

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

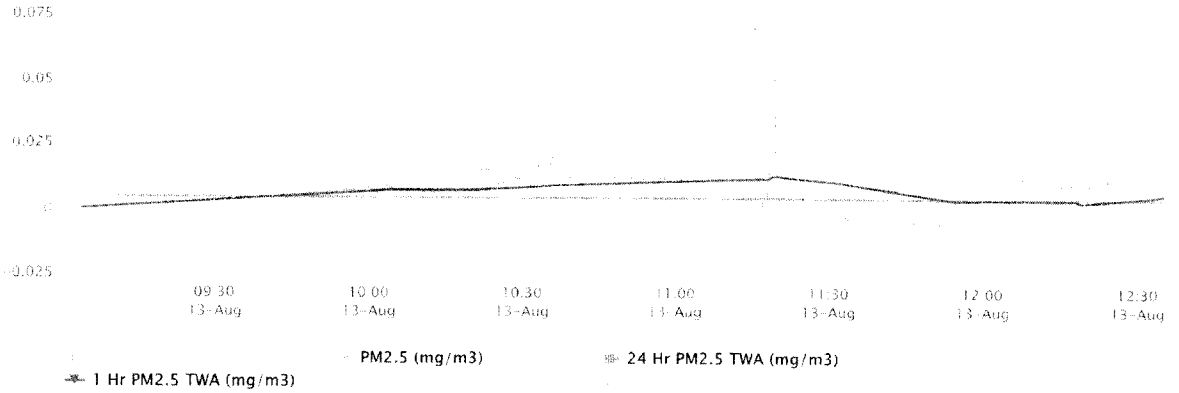
8/13/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Brooke Mill Apartments and Peacock Colision



8/13/19 DAY Data for DustTrak 3 ($PM_{2.5}$) – Sun City



8/13/19 DAY Data for DustTrak 2 ($PM_{2.5}$) - MCP



Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/13/19 19:00** ***To:*** ***8/14/19 6:58***

SE Corner of Alliw Contracting

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	733	13	0 - 206 ppb	1.1 ppb	1,000 ppb
	CO	No	733	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	733	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	733	733	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	733	0	0 - 0%	0%	10%

Downwind of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	1,966	1,966	8 - 43 µg/m³	12.3 µg/m³	See SOG #: T106

On Site, Immediately West of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	699	27	0 - 452 ppb	5.6 ppb	1,000 ppb
	CO	No	699	23	0 - 21 ppm	0.2 ppm	83 ppm
	H_2S	No	699	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	699	699	20.6 - 20.7%	20.6%	<19.5 or >23%
	LEL	No	699	0	0 - 0 %	0%	10%

Short Cut Road

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Moderate	1,609	1,540	0 - 310 µg/m³	31.3 µg/m³	See SOG #: T106

Alliw Contracting, Northwest of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	722	17	0 - 464 ppb	4.8 ppb	1,000 ppb
	CO	No	722	15	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	722	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	722	722	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	722	0	0 - 0%	0%	10%

Short Cut Road

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	444	441	0 - 19 µg/m³	13.7 µg/m³	See SOG #: T106

Palmetto Intermediate

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	725	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	725	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	725	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	725	725	20.9 - 21.5%	21%	<19.5 or >23%
	LEL	No	725	0	0 - 0%	0%	10%

Site City

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Good	405	270	0 - 50 µg/m³	11.9 µg/m³	See SOG #: T106

Beaufort Hall Apartments

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Moderate	517	516	0 - 36 µg/m³	19.4 µg/m³	See SOG #: T106

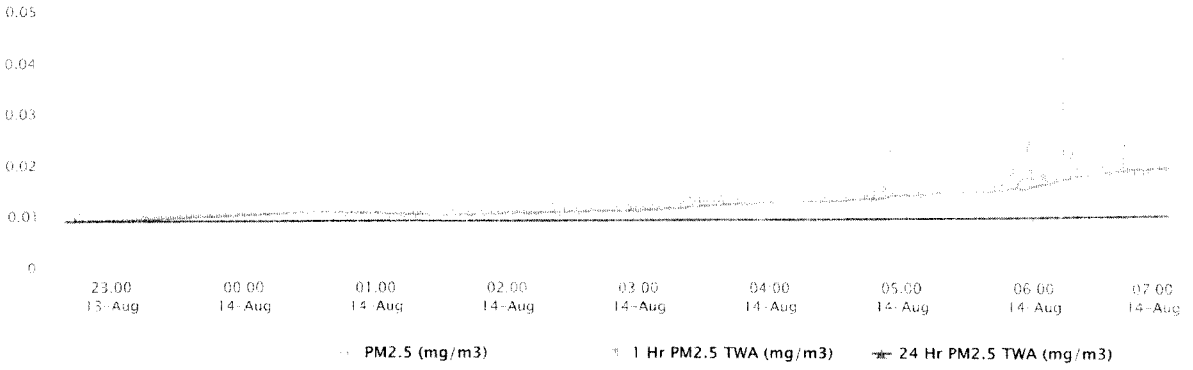
[illegible] Chesterfield Park

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	502	364	0 - 59 µg/m³	14.6 µg/m³	See SOG #: T106

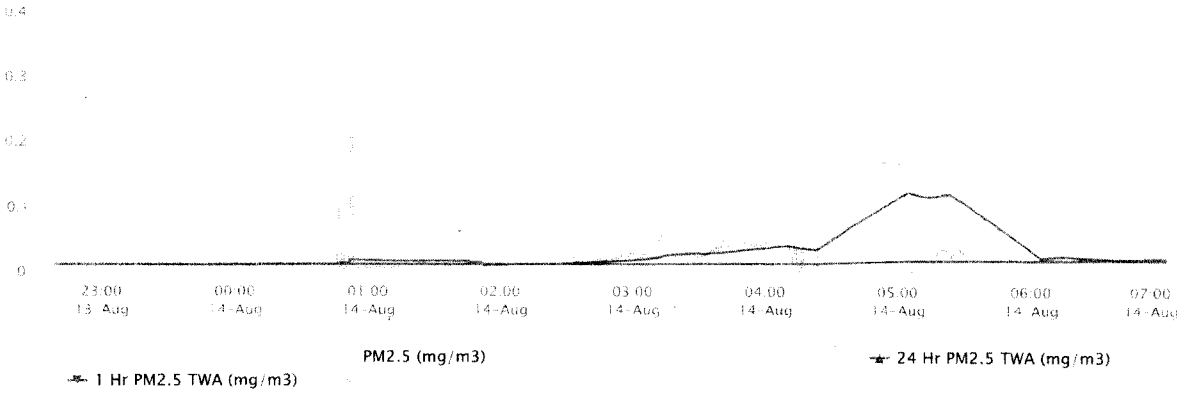
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

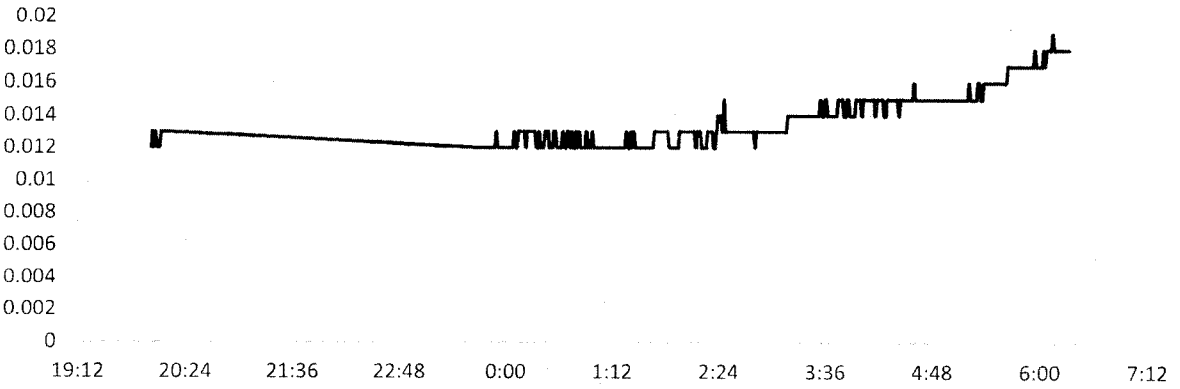
8/13/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



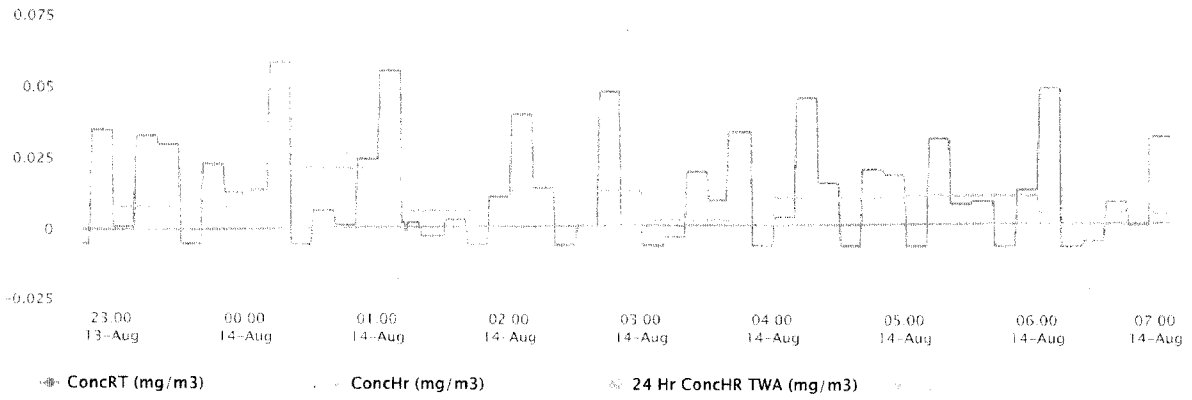
8/13/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



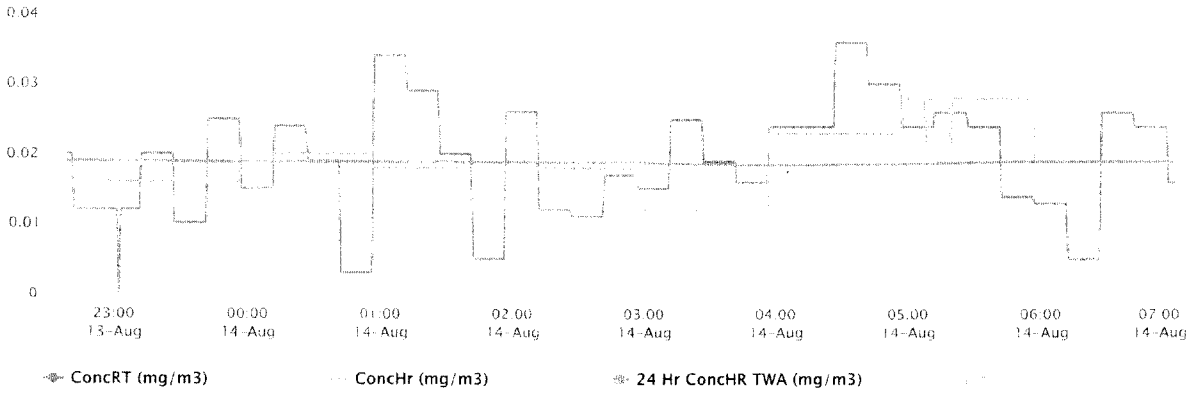
8/13/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



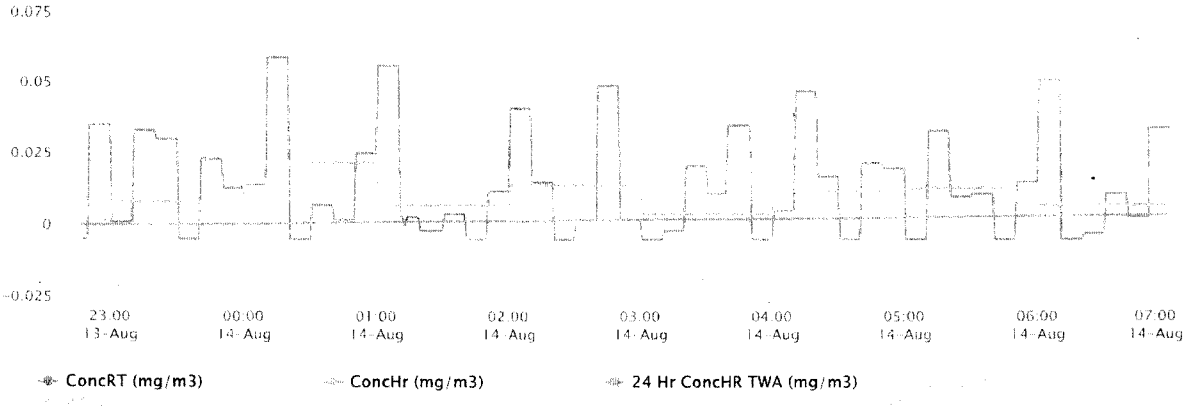
8/13/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City



8/13/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



8/13/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/14/19 7:00** ***To:*** ***8/14/19 18:58***

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	723	14	0 - 272 ppb	2 ppb	1,000 ppb
	CO	No	723	14	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	723	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	723	723	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	723	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	2,164	2,164	11 - 54 µg/m³	23.9 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	713	13	0 - 948 ppb	4.3 ppb	1,000 ppb
	CO	No	713	60	0 - 23 ppm	0.4 ppm	83 ppm
	H_2S	No	713	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	713	713	20.4 - 20.9%	20.6%	<19.5 or >23%
	LEL	No	713	0	0 - 0 %	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Moderate	2,026	1,842	0 - 287 µg/m³	18.5 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	717	2	0 - 176 ppb	0.3 ppb	1,000 ppb
	CO	No	717	4	0 - 16 ppm	0 ppm	83 ppm
	H_2S	No	717	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	717	717	20.5 - 20.9%	20.8%	<19.5 or >23%
	LEL	No	717	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	545	545	10 - 83 µg/m³	23.3 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	681	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	681	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	681	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	681	681	19.4 - 21.4%	20.5%	<19.5 or >23%
	LEL	No	681	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	591	414	0 - 192 µg/m³	19.1 µg/m³	See SOG #: T106

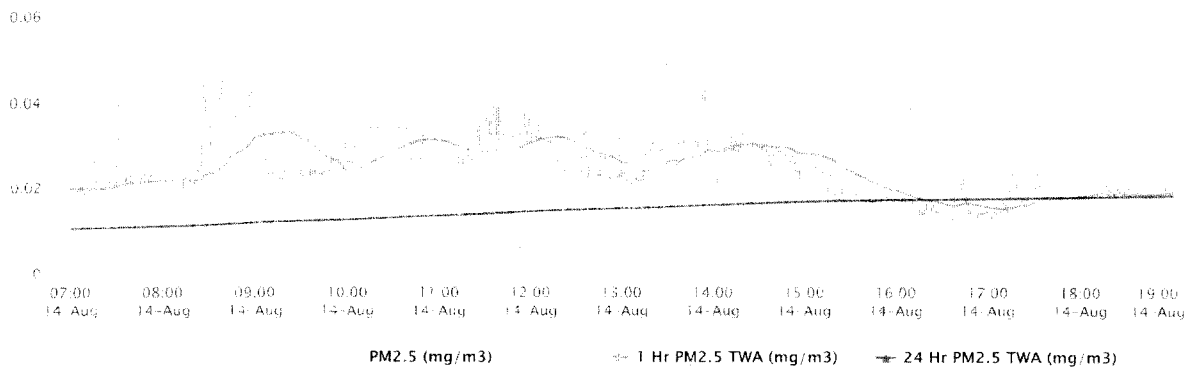
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Moderate	737	538	0 - 146 µg/m³	20.6 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	521	373	0 - 200 µg/m³	27 µg/m³	See SOG #: T106

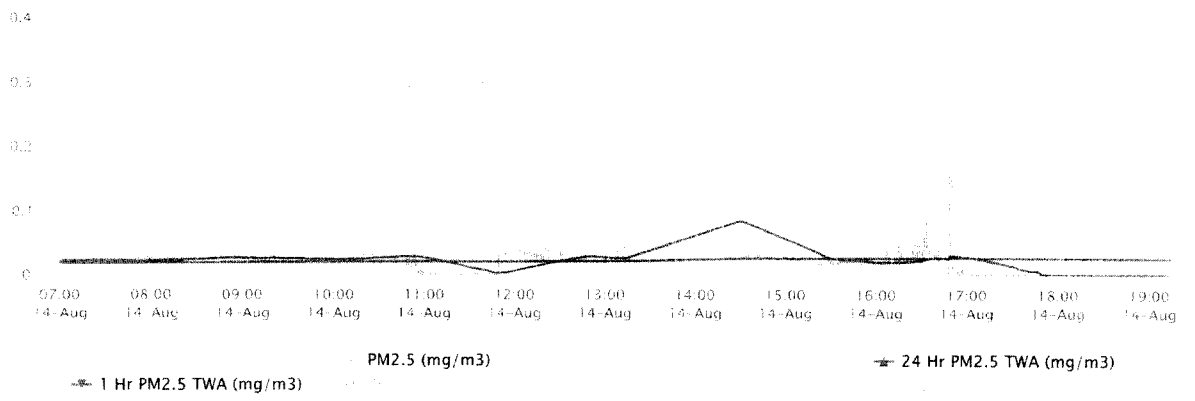
Notes:

%	Percent	PEL	Permissible exposure limit
<	Less than	ppb	Parts per billion
>	Greater than	ppm	Parts per million
AEGL	Acute Exposure Guideline levels for airborne chemicals	PM	Particulate matter
CO	Carbon monoxide	SOG	Standard Operating Guidelines
H_2S	Hydrogen Sulfide	TLV	Threshold limit value
LEL	Lower Explosive Level	µg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud
O_2	Oxygen		

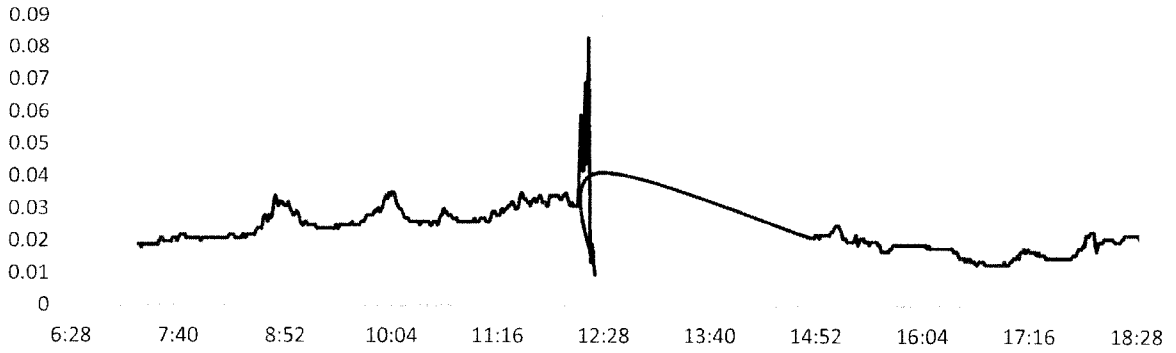
8/14/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



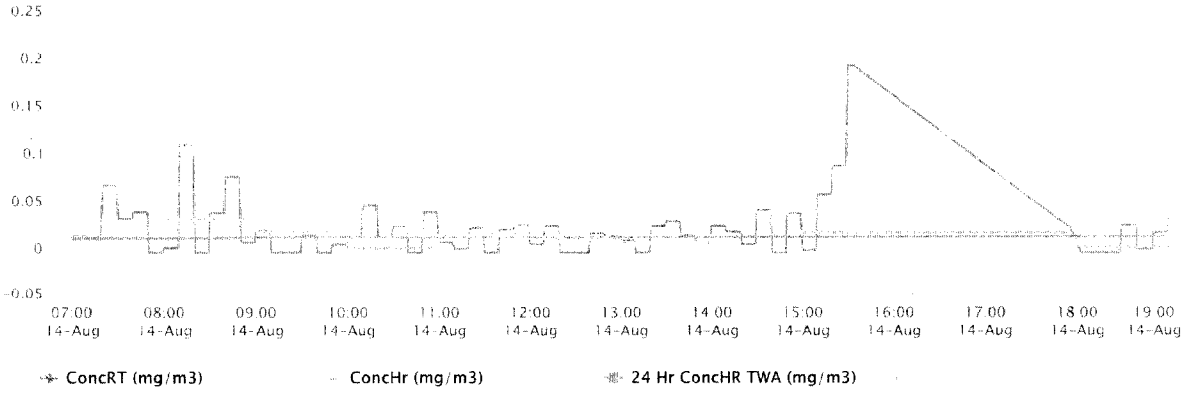
8/14/19 DAY Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



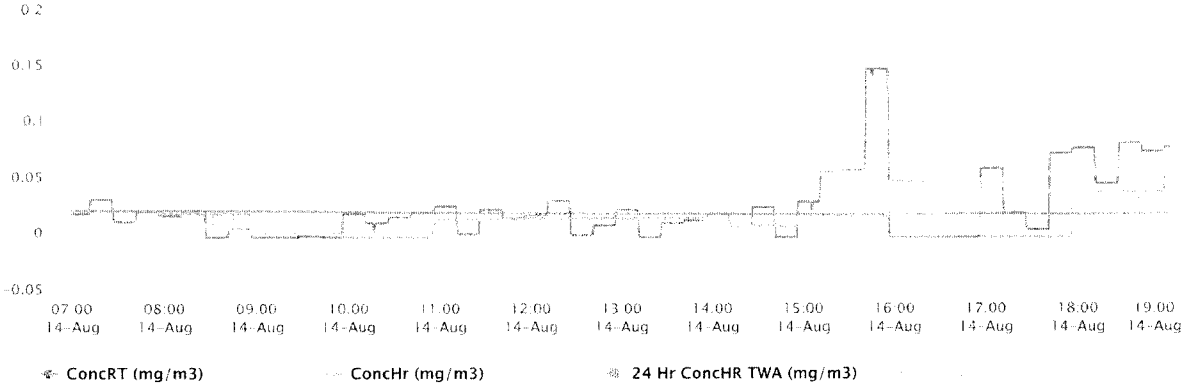
8/14/19 DAY Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



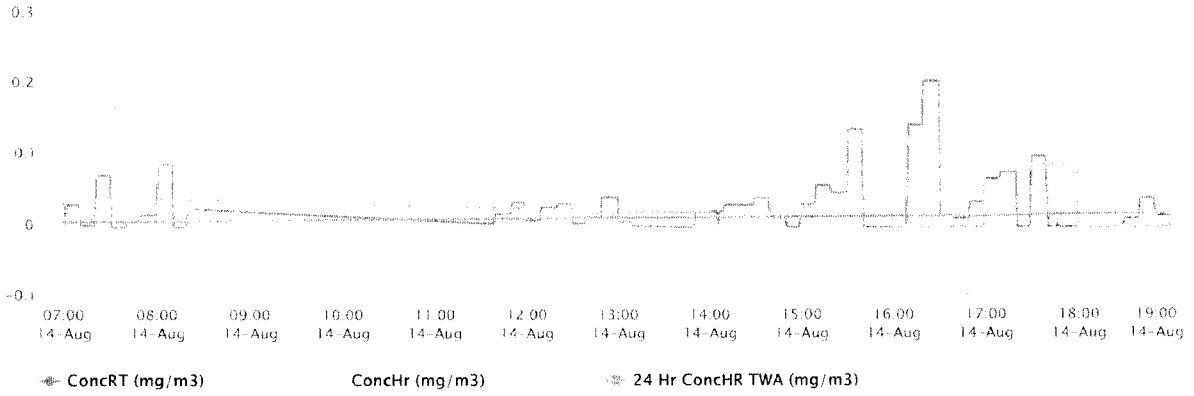
8/14/19 DAY Data for EBAM 1 (ConcRT) – Sun City



8/14/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



8/14/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	**80.1-175.0**	**35.5-55.4**	**Members of sensitive groups may experience health effects. The general public is not likely to be affected.**
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

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From: **8/14/19 7:00** ***To:*** ***8/14/19 18:58***

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	CO	No	723	14	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	723	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	723	723	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	723	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	2,164	2,164	11 - 54 µg/m³	23.9 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	713	13	0 - 948 ppb	4.3 ppb	1,000 ppb
	CO	No	713	60	0 - 23 ppm	0.4 ppm	83 ppm
	H_2S	No	713	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	713	713	20.4 - 20.9%	20.6%	<19.5 or >23%
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Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
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DustTrak 3	PM-2.5	Moderate	545	545	10 - 83 µg/m³	23.3 µg/m³	See SOG #: T106

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AreaRAE 4	VOC	No	681	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	681	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	681	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	681	681	19.4 - 21.4%	20.5%	<19.5 or >23%
	LEL	No	681	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	591	414	0 - 192 µg/m³	19.1 µg/m³	See SOG #: T106

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Notes:

%	Percent
<	Less than
>	Greater than
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H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
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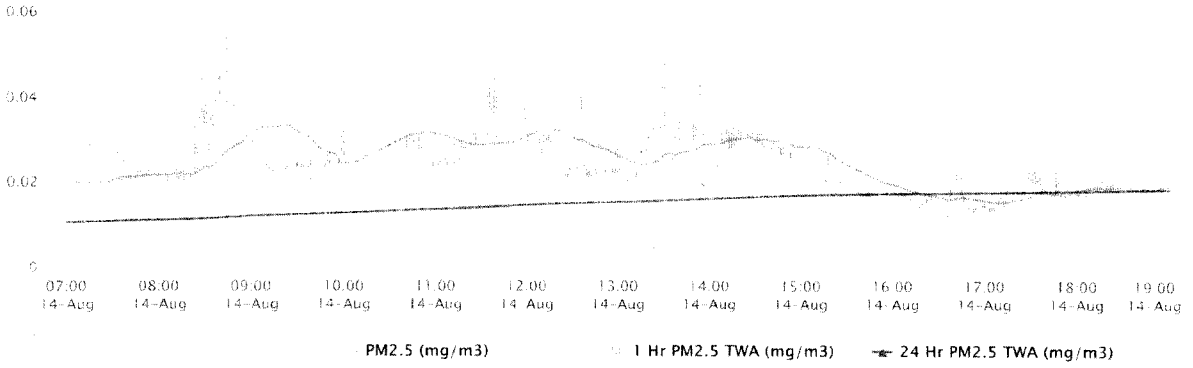
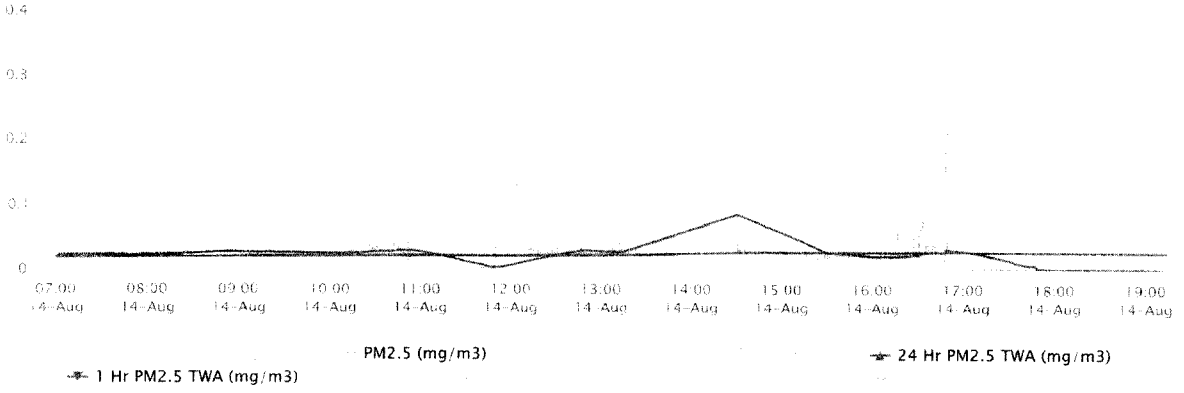
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

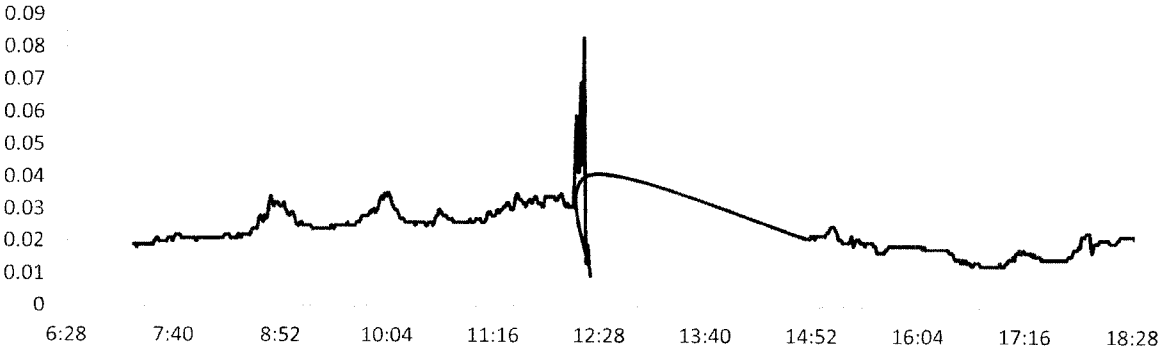
8/14/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



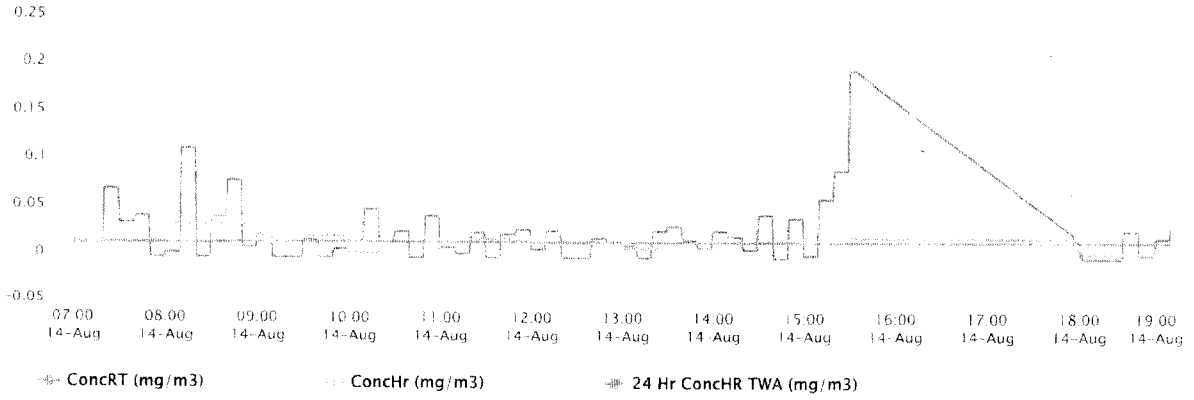
8/14/19 DAY Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



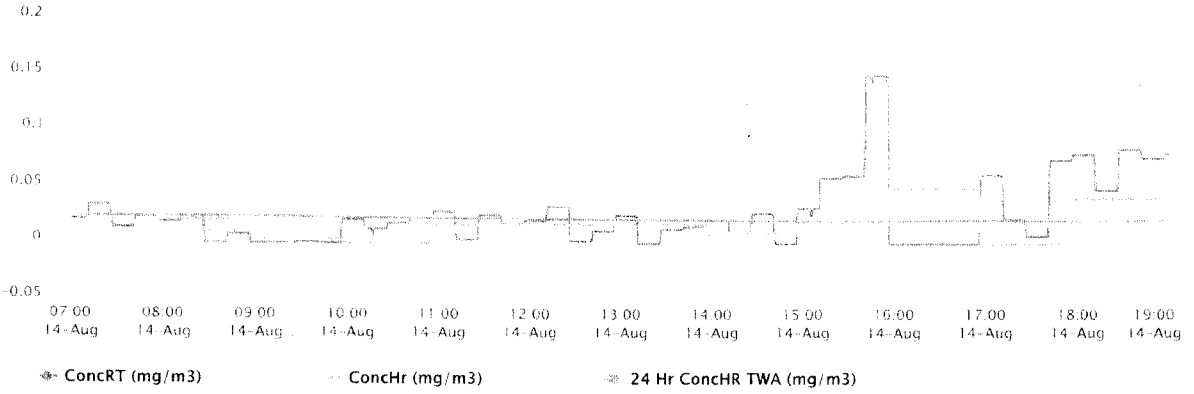
8/14/19 DAY Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



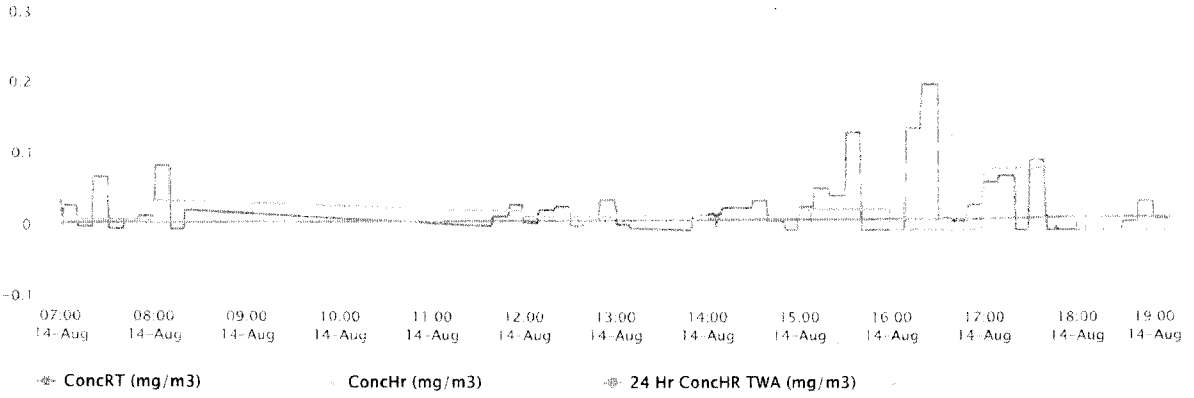
8/14/19 DAY Data for EBAM 1 (ConcRT) – Sun City



8/14/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



8/14/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



Able Contracting Fire

EPA Air Monitoring Summary Report
8/14/2019 0700 to 8/14/2019 1900

Attachment: Discussion of Results

Thunderstorms and rain throughout the afternoon led to some increased particulate measurement readings. Smoke conditions at the Site increased near ground surface as rain persisted and cloud cover prevented plumes from rising vertically.

All EBAMs and Sun City, Brooke Mill, and the EPA MCP recorded peak concentrations of 150-200 ug/m3 at the same time intense rainfall was observed. Sun City lost data connection due to damaged electronic equipment. A peak of 287 ug/m3 at short cut road appears unrelated to any smoke plume. Average concentrations for all locations range from 18.9 to 27 ug/m3 which would be classified as Moderate air quality for PM2.5.

Peak VOCs occurred on the west site with 0.95 ppm. Peaks for CO occurred in the West site at 23 ppm and the northeast side at 16 ppm. The AreaRAEpro at Palmetto Exterminators was upwind of the Site all day and showed no detections for VOCs or CO

Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	40.1-80.0	12.1-35.4	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/14/19 19:00** ***To:*** ***8/15/19 6:58***

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	747	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	747	19	0 - 6 ppm	0.1 ppm	83 ppm
	H_2S	No	747	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	747	747	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	747	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	3	3	see graph	n/a	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	749	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	749	49	0 - 11 ppm	0.3 ppm	83 ppm
	H_2S	No	749	15	0 - 1.1 ppm	0 ppm	0.5 ppm
	O_2	No	749	749	20.4 - 20.5%	20.4%	<19.5 or >23%
	LEL	No	749	0	0 - 0 %	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	3	3	see graph	see graph	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	750	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	750	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	750	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	750	750	20.4 - 20.5%	20.5%	<19.5 or >23%
	LEL	No	750	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	614	614	4 - 46 µg/m³	20.8 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	754	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	754	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	754	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	754	754	19.9 - 20%	19.9%	<19.5 or >23%
	LEL	No	754	0	0 - 0%	0%	10%

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	71	41	see graph	n/a	See SOG #: T106

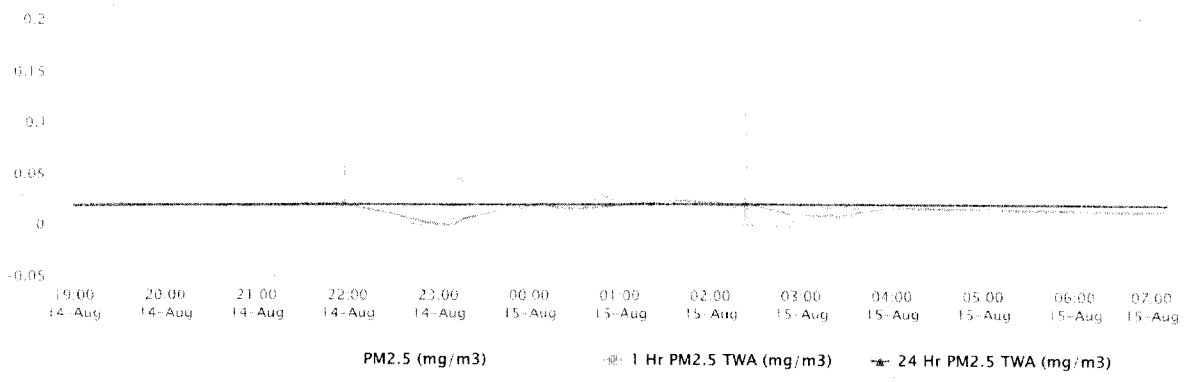
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Moderate	743	587	0 - 300 µg/m³	22.7 µg/m³	See SOG #: T106

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	724	531	0 - 96 µg/m³	15.4 µg/m³	See SOG #: T106

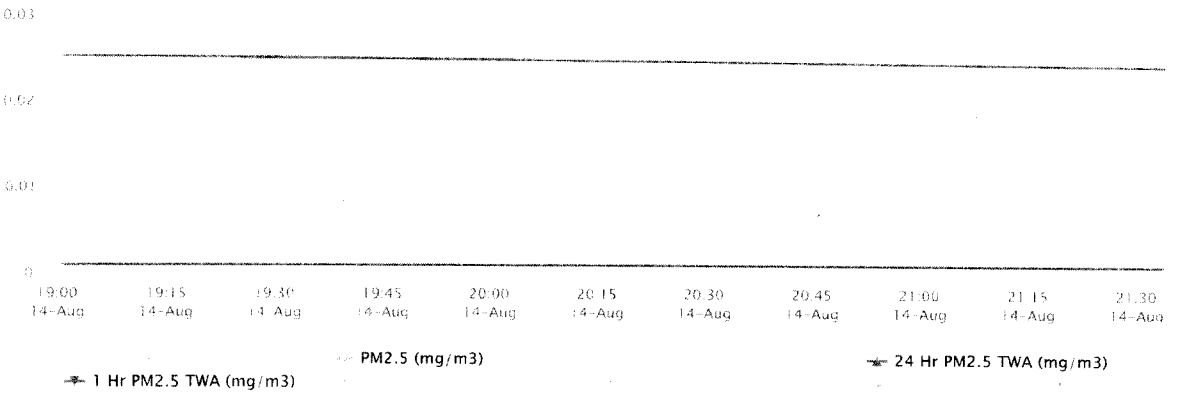
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

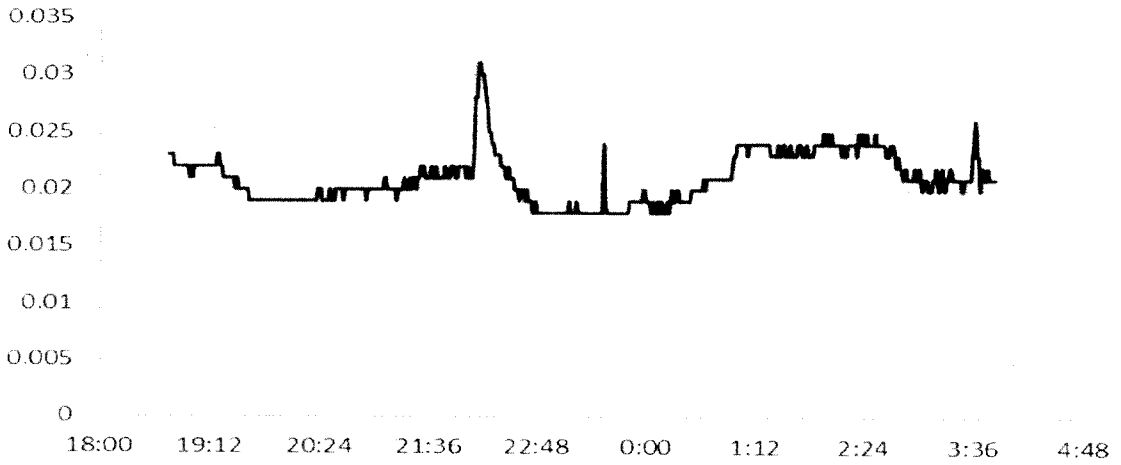
8/14/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



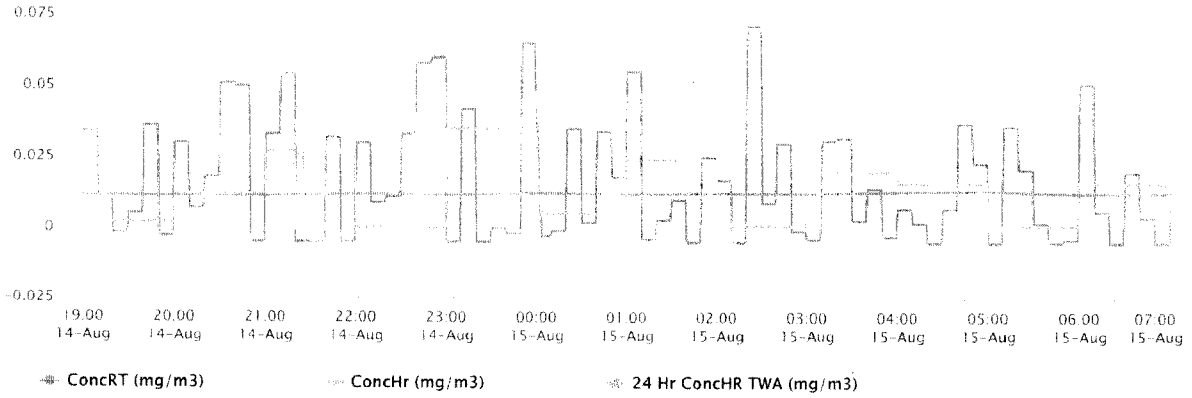
8/14/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



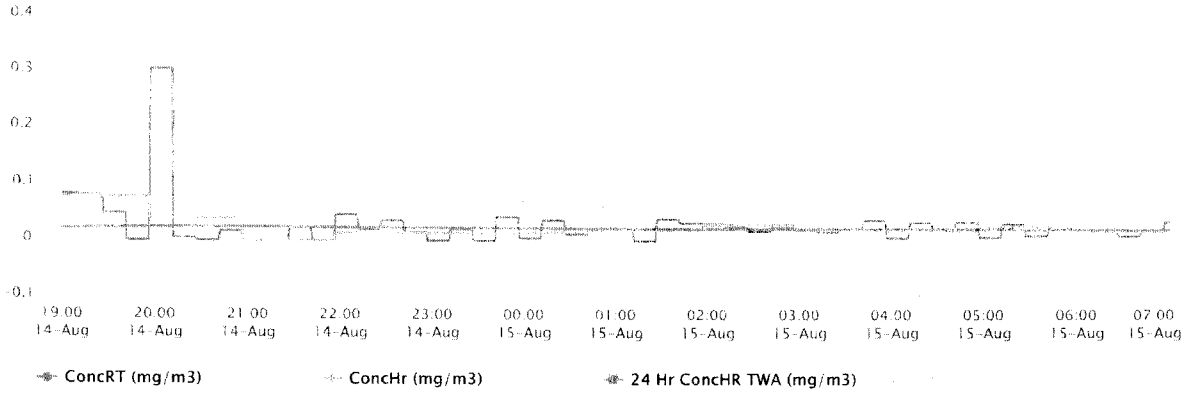
8/14/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



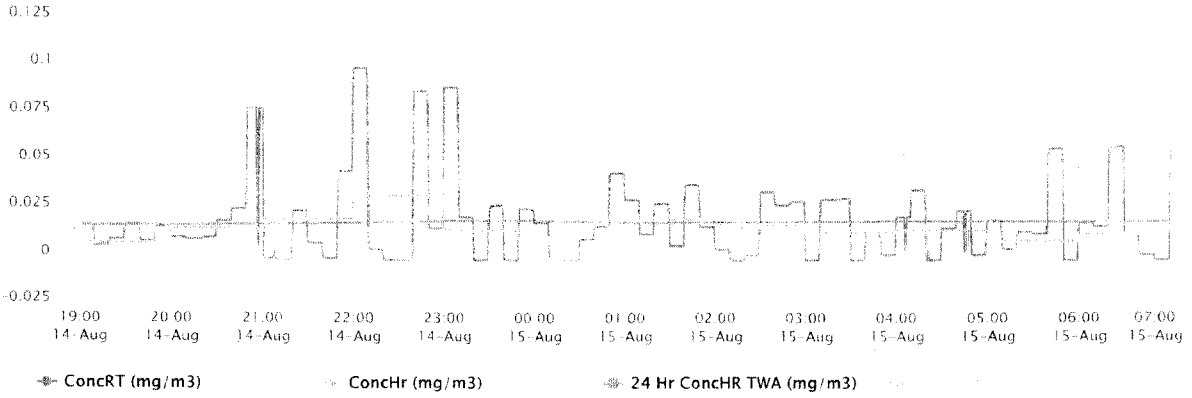
8/14/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City



8/14/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



8/14/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/15/19 7:00** ***To:*** ***8/15/19 18:58***

SE Corner of Alvin Community

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	753	3	0 - 151 ppb	0.4 ppb	1,000 ppb
	CO	No	753	26	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	753	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	753	753	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	753	0	0 - 0%	0%	10%
	HCN	No	753	616	0 - 0.9 ppm	0.2 ppm	7.1 ppm%

Particle Collection

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	2,133	1,989	0 - 168 µg/m³	13.4 µg/m³	See SOG #: T106

On Site, Immediately West of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	754	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	754	53	0 - 10 ppm	0.3 ppm	83 ppm
	H_2S	No	754	7	0 - 1 ppm	0 ppm	0.5 ppm
	O_2	No	754	754	20.4 - 20.6%	20.4%	<19.5 or >23%
	LEL	No	754	0	0 - 0 %	0%	10%
	HCN	No	754	48	0 - 5.3 ppm	0 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Moderate	738	519	0 - 88 µg/m³	13.2 µg/m³	See SOG #: T106

Alvin Contracting Workshop, Northeast of Pile

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	751	16	0 - 307 ppb	2.7 ppb	1,000 ppb
	CO	No	751	13	0 - 5 ppm	0.1 ppm	83 ppm
	H_2S	No	751	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	751	751	20.4 - 20.9%	20.8%	<19.5 or >23%
	LEL	No	751	0	0 - 0%	0%	10%
	HCN	No	751	610	0 - 1 ppm	0.3 ppm	7.1 ppm

Santa Cruz Church

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	709	709	6 - 48 µg/m³	15.3 µg/m³	See SOG #: T106

Palmetto Concentration

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	750	3	0 - 176 ppb	0.3 ppb	1,000 ppb
	CO	No	750	12	0 - 82 ppm	0.2 ppm	83 ppm
	H_2S	No	750	1	0 - 1 ppm	0 ppm	0.5 ppm
	O_2	No	750	750	19.6 - 20.9%	20.4%	<19.5 or >23%
	LEL	No	750	0	0 - 0%	0%	10%
	HCN	No	750	0	0 - 3.2 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	760	550	0 - 159 µg/m³	16.1 µg/m³	See SOG #: T106

Bayou Mill Apartments

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Moderate	752	556	0 - 63 µg/m³	12.4 µg/m³	See SOG #: T106

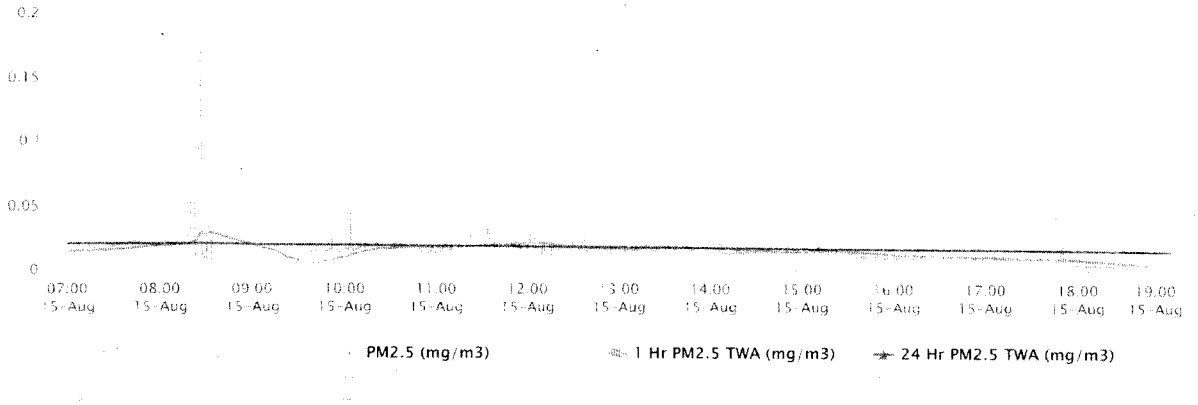
Location 6

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	742	501	0 - 105 µg/m³	15.6 µg/m³	See SOG #: T106

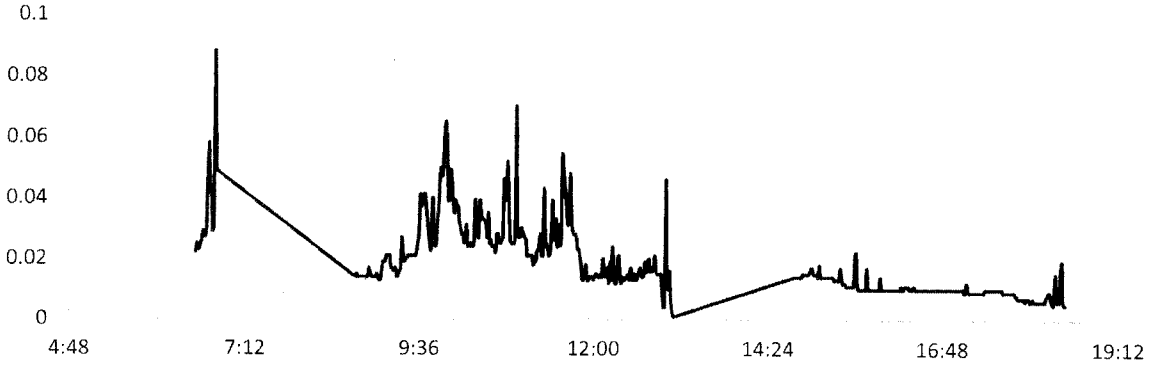
Notes:

%	Percent
<	Less than
>	Greater than
AEGL	Acute Exposure Guideline levels for airborne chemicals
CO	Carbon monoxide
H_2S	Hydrogen Sulfide
HCN	Hydrogen Cyanide
LEL	Lower Explosive Level
min	Minute
O_2	Oxygen
PEL	Permissible exposure limit
ppb	Parts per billion
ppm	Parts per million
PM	Particulate matter
SOG	Standard Operating Guidelines
TLV	Threshold limit value
µg/m³	Micrograms per cubic meter
VOC	Volatile organic compoud

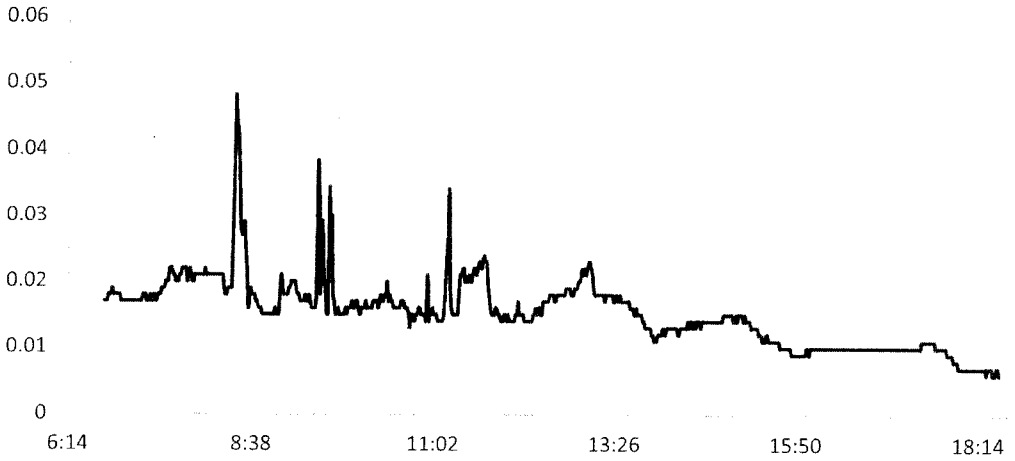
8/15/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



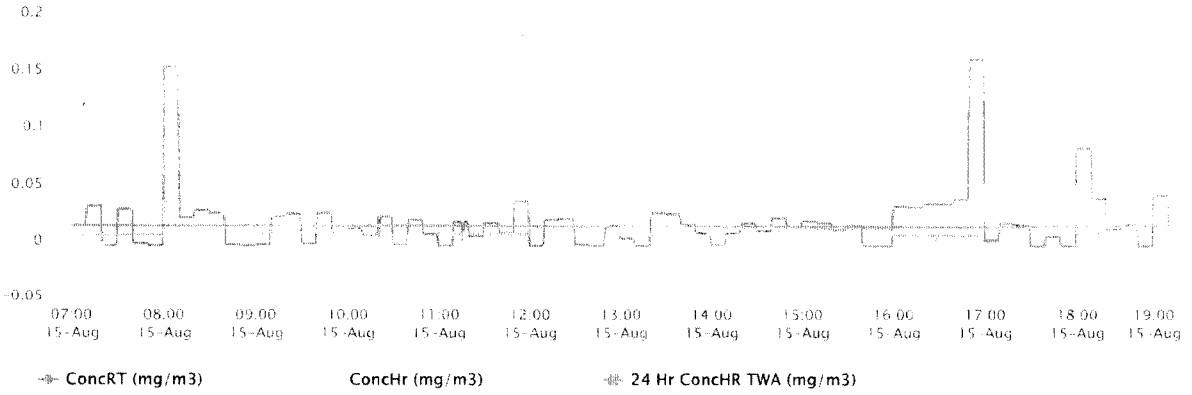
8/15/19 DAY Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road



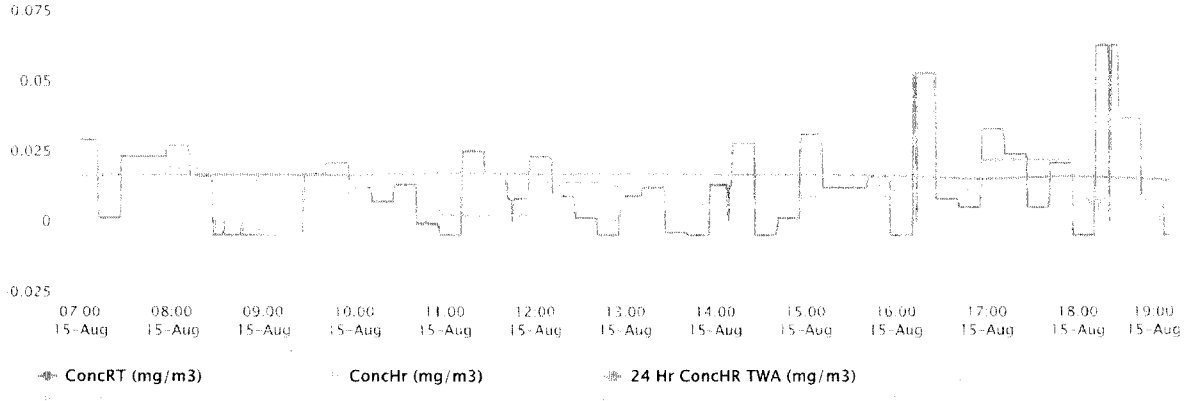
8/15/19 DAY Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



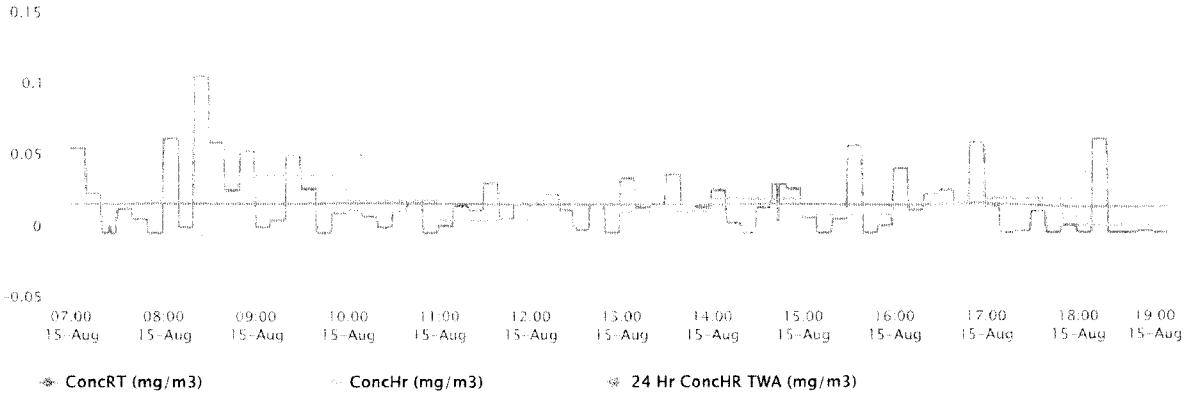
8/15/19 DAY Data for EBAM 1 (ConcRT) – Sun City



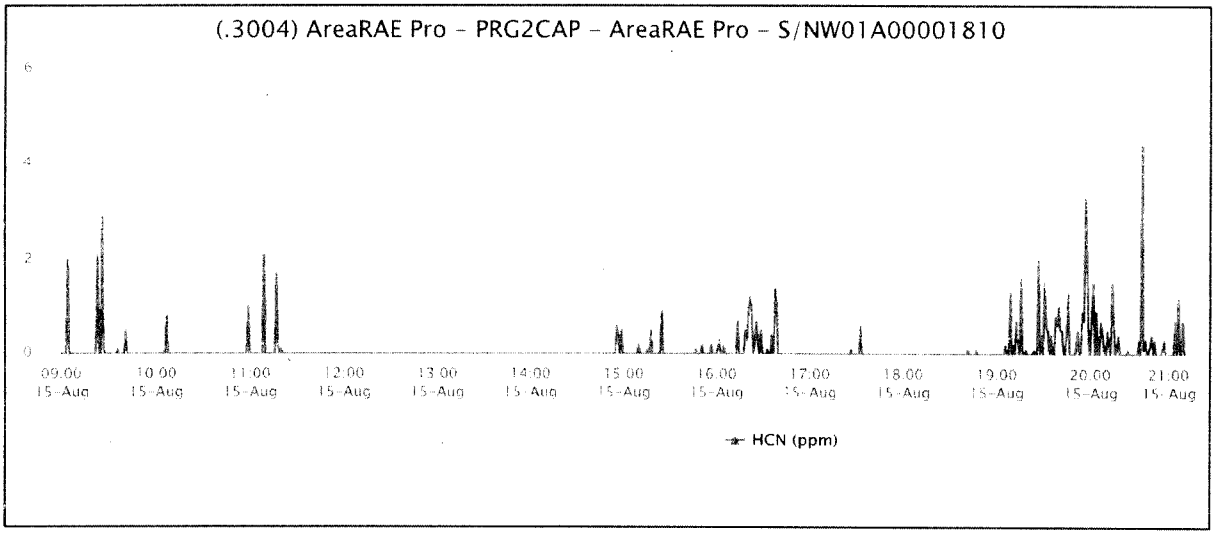
8/15/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



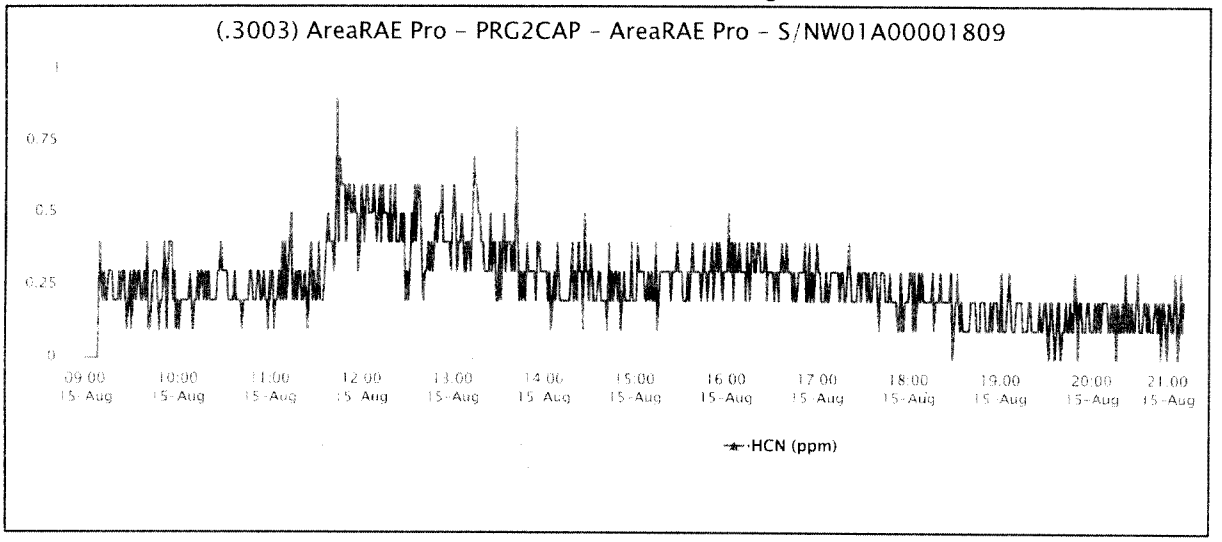
8/15/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



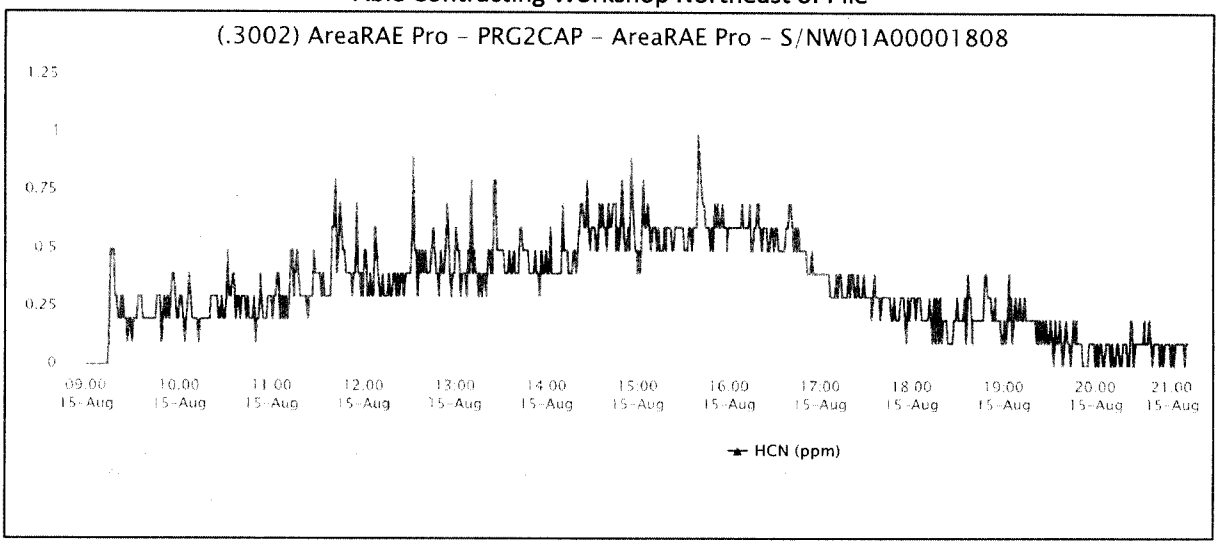
On Site, Immediately West of Pile



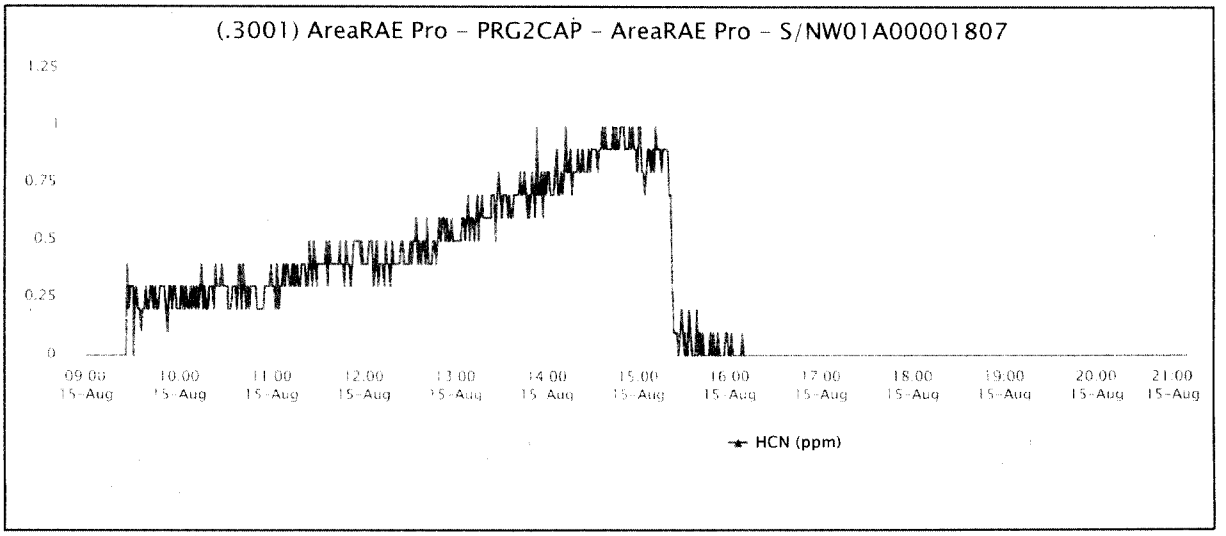
SE Corner of Able Contracting



Able Contracting Workshop Northeast of Pile



Palmetto Exterminators



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/15/19 19:00** ***To:*** ***8/16/19 6:58***

Mobile Air Monitor

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	614	58	0 - 156 ppb	8.4 ppb	1,000 ppb
	CO	No	614	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	614	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	614	614	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	614	0	0 - 0%	0%	10%
	HCN	No	614	554	0 - 0.8 ppm	0.2 ppm	7.1 ppm%

Primary Collection

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	1,924	1,264	0 - 4 µg/m³	1 µg/m³	See SOG #: T106

Old City Intersection, West of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	630	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	630	90	0 - 18 ppm	0.9 ppm	83 ppm
	H_2S	No	630	6	0 - 0.6 ppm	0 ppm	0.5 ppm
	O_2	No	630	630	20.4 - 20.5%	20.4%	<19.5 or >23%
	LEL	No	630	0	0 - 0 %	0%	10%
	HCN	No	630	152	0 - 4.4 ppm	0.2 ppm	7.1 ppm

Short Cut Road

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	710	698	0 - 45 µg/m³	4 µg/m³	See SOG #: T106

Area Between Hwy 11 and Railroad East of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	630	16	0 - 216 ppb	2.1 ppb	1,000 ppb
	CO	No	630	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	630	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	630	630	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	630	0	0 - 0%	0%	10%
	HCN	No	630	566	0 - 0.5 ppm	0.2 ppm	7.1 ppm

Grace Church Church

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Good	719	719	3 - 16 µg/m³	6.2 µg/m³	See SOG #: T106

Forest Elementary

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	630	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	630	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	630	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	630	630	19.6 - 20.3%	20.2%	<19.5 or >23%
	LEL	No	630	0	0 - 0%	0%	10%
	HCN	No	630	0	0 - 0 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	628	374	0 - 82 µg/m³	19.1 µg/m³	See SOG #: T106

Smoke Mill Apartments

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	626	380	0 - 29 µg/m³	6.1 µg/m³	See SOG #: T106

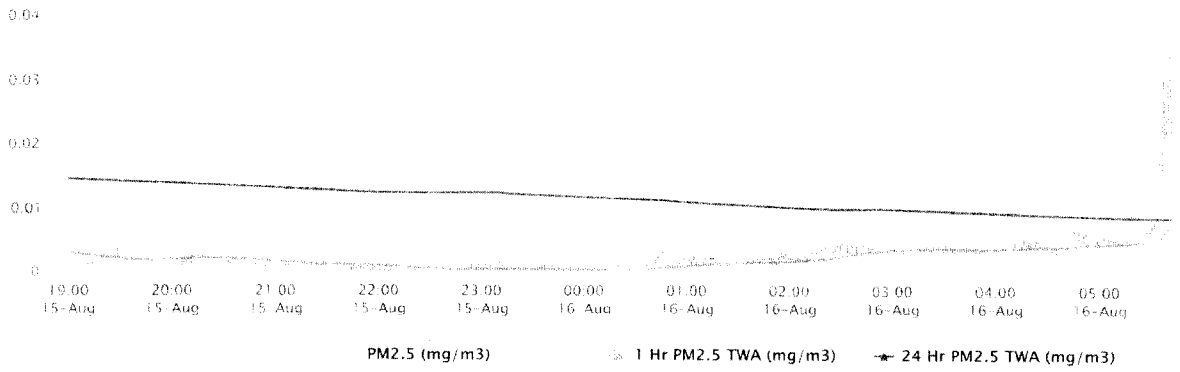
Elementary Community Center

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Good	745	400	0 - 76 µg/m³	12 µg/m³	See SOG #: T106

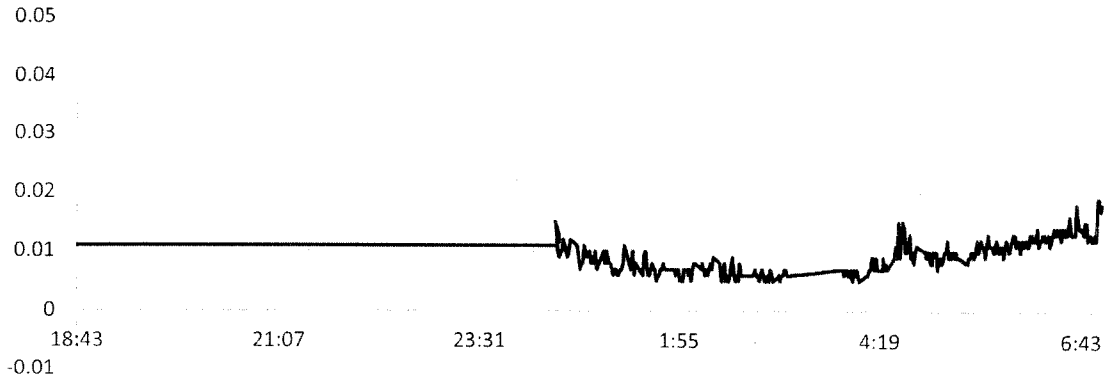
Notes:

%	Percent	O_2	Oxygen
<	Less than	PEL	Permissible exposure limit
>	Greater than	ppb	Parts per billion
AEGL	Acute Exposure Guideline levels for airborne chemicals	ppm	Parts per million
CO	Carbon monoxide	PM	Particulate matter
H_2S	Hydrogen Sulfide	SOG	Standard Operating Guidelines
HCN	Hydrogen Cyanide	TLV	Threshold limit value
LEL	Lower Explosive Level	µg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud

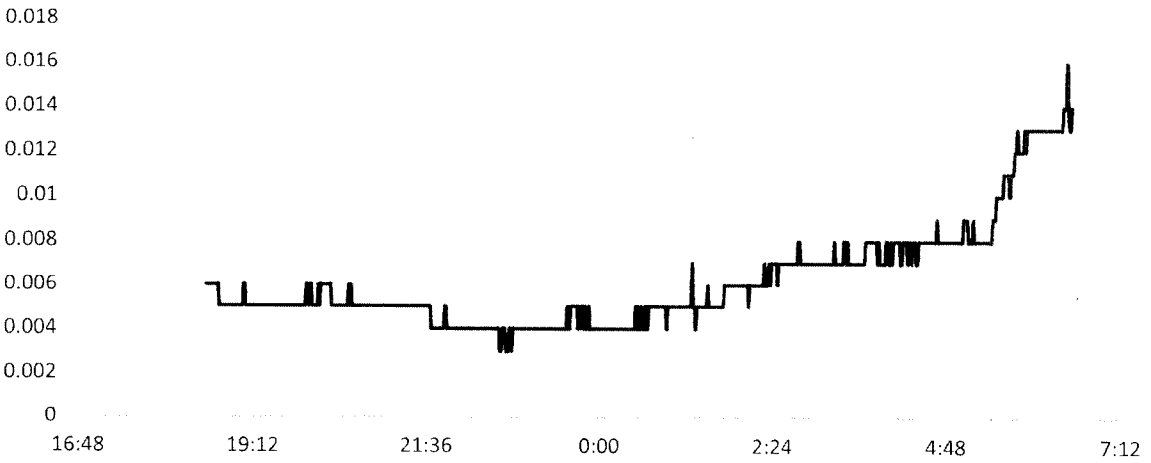
8/15/19 NIGHT Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



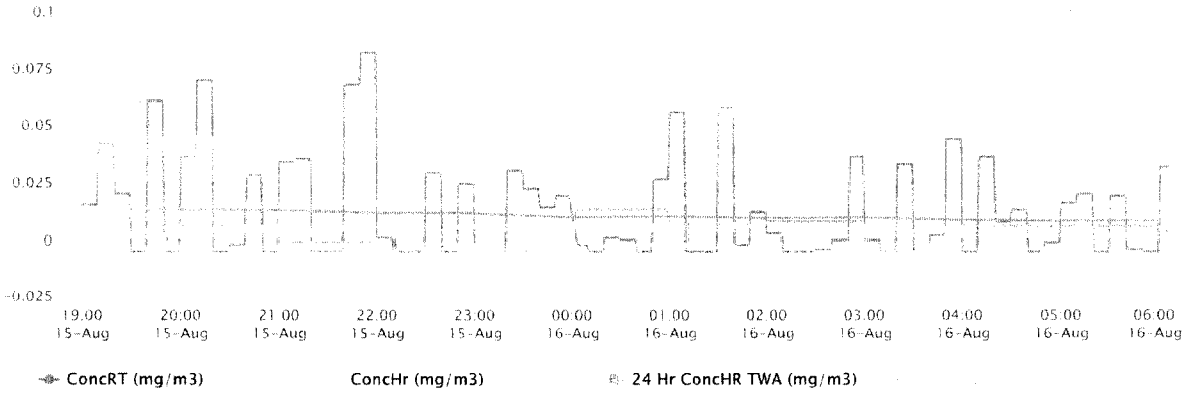
8/15/19 NIGHT Data for DustTrak 2 ($PM_{2.5}$) – Short Cut Road t



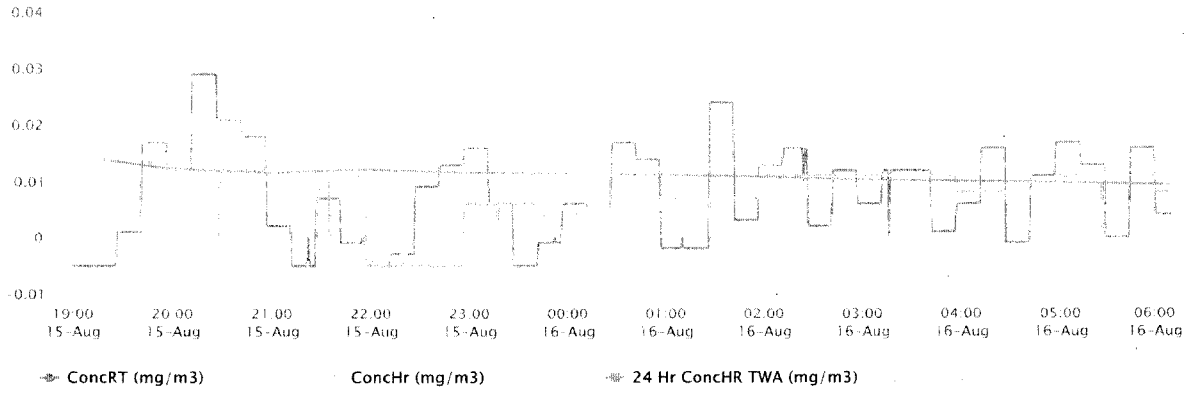
8/15/19 NIGHT Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



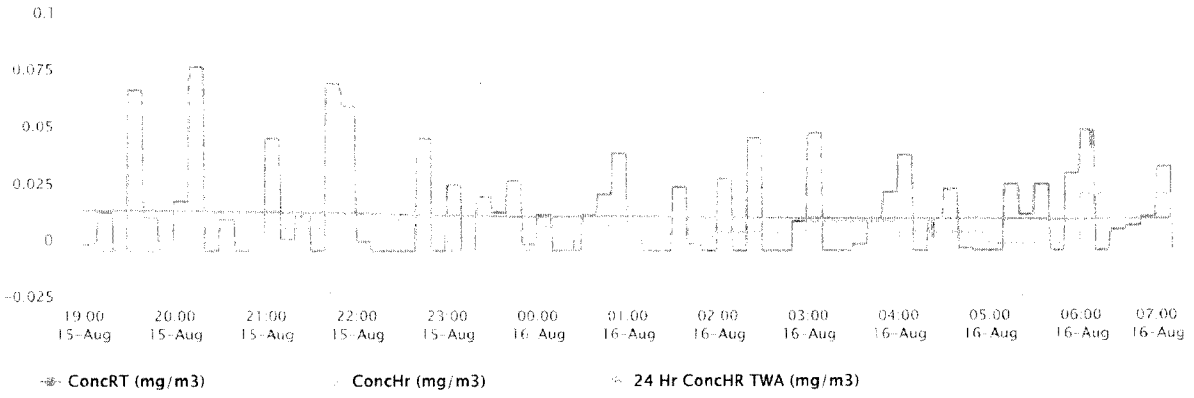
8/15/19 NIGHT Data for EBAM 1 (ConcRT) – Sun City



8/15/19 NIGHT Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



8/15/19 NIGHT Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	**80.1-175.0**	**35.5-55.4**	**Members of sensitive groups may experience health effects. The general public is not likely to be affected.**
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: **8/16/19 7:00** ***To:*** ***8/16/19 18:58***

On Site, Southeast Corner of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	606	1	0 - 1444 ppb	2.4 ppb	1,000 ppb
	CO	No	606	1	0 - 9 ppm	0 ppm	83 ppm
	H_2S	No	606	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	606	606	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	606	0	0 - 0%	0%	10%
	HCN	No	606	606	0.1 - 1.3 ppm	0.4 ppm	7.1 ppm%

Perimeter Collection

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Good	13,831	13,372	0 - 53 μg/m³	7.1 μg/m³	See SOG #: T106

On Site, Northwest Corner of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	603	5	0 - 1108 ppb	2.4 ppb	1,000 ppb
	CO	No	603	42	0 - 10 ppm	0.3 ppm	83 ppm
	H_2S	No	603	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	603	603	20.4 - 20.9%	20.6%	<19.5 or >23%
	LEL	No	603	0	0 - 0 %	0%	10%
	HCN	No	603	219	0 - 1.1 ppm	0.1 ppm	7.1 ppm

Able Contracting Workshop, Northeast of Site

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	607	1	0 - 93 ppb	0.2 ppb	1,000 ppb
	CO	No	607	0	0 - 0 ppm	0 ppm	83 ppm
	H_2S	No	607	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	607	607	20.9 - 21.3%	21.1%	<19.5 or >23%
	LEL	No	607	0	0 - 0%	0%	10%
	HCN	No	607	605	0 - 0.6 ppm	0.3 ppm	7.1 ppm

Stone Cross Church

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	693	693	3 - 20 μg/m³	9.2 μg/m³	See SOG #: T106

Forward Concrete

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	606	0	0 - 0 ppb	0 ppb	1,000 ppb
	CO	No	606	1	0 - 4 ppm	0 ppm	83 ppm
	H_2S	No	606	0	0 - 0 ppm	0 ppm	0.5 ppm
	O_2	No	606	606	20.4 - 20.9%	20.7%	<19.5 or >23%
	LEL	No	606	0	0 - 0%	0%	10%
	HCN	No	606	0	0 - 0.1 ppm	0 ppm	7.1 ppm

Sun City

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 1	PM-2.5	Moderate	664	418	0 - 104 μg/m³	12.9 μg/m³	See SOG #: T106

Bridge Mill Apartments

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 2	PM-2.5	Good	650	368	0 - 90 μg/m³	7.6 μg/m³	See SOG #: T106

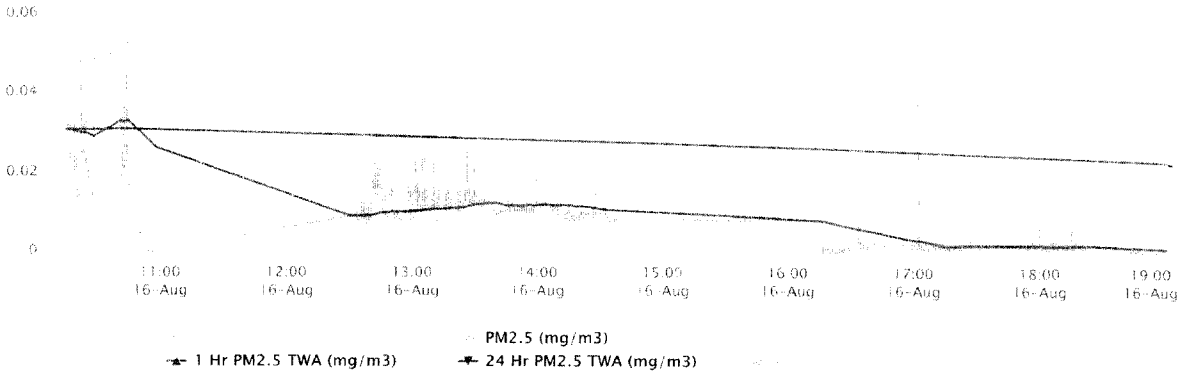
EPA Mobile Command Post

Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
EBAM 3	PM-2.5	Moderate	739	452	0 - 135 μg/m³	14.4 μg/m³	See SOG #: T106

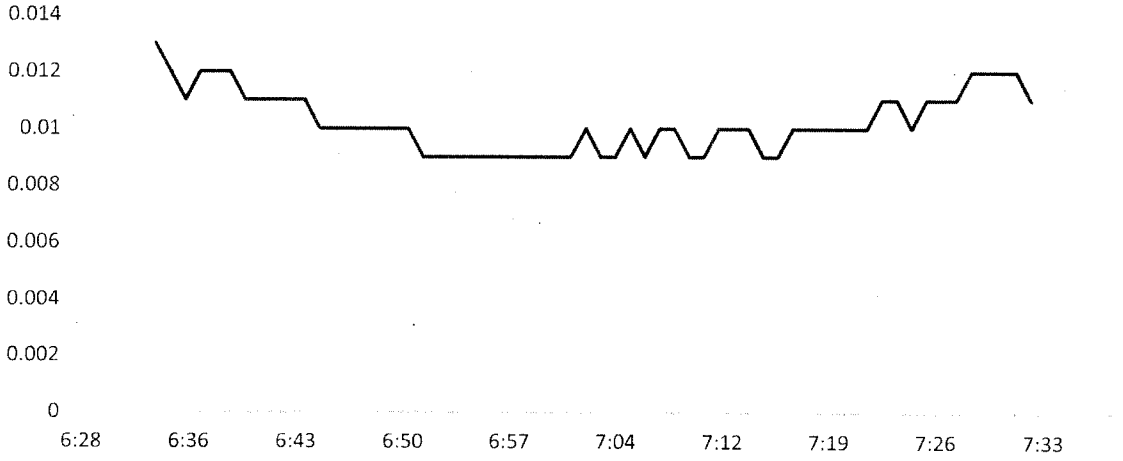
Notes:

%	Percent	O_2	Oxygen
<	Less than	PEL	Permissible exposure limit
>	Greater than	ppb	Parts per billion
AEGL	Acute Exposure Guideline Levels for Airborne Chemicals	ppm	Parts per million
CO	Carbon monoxide	PM	Particulate matter
H_2S	Hydrogen Sulfide	SOG	Standard Operating Guidelines
HCN	Hydrogen Cyanide	TLV	Threshold limit value
LEL	Lower Explosive Level	μg/m³	Micrograms per cubic meter
min	Minute	VOC	Volatile organic compoud

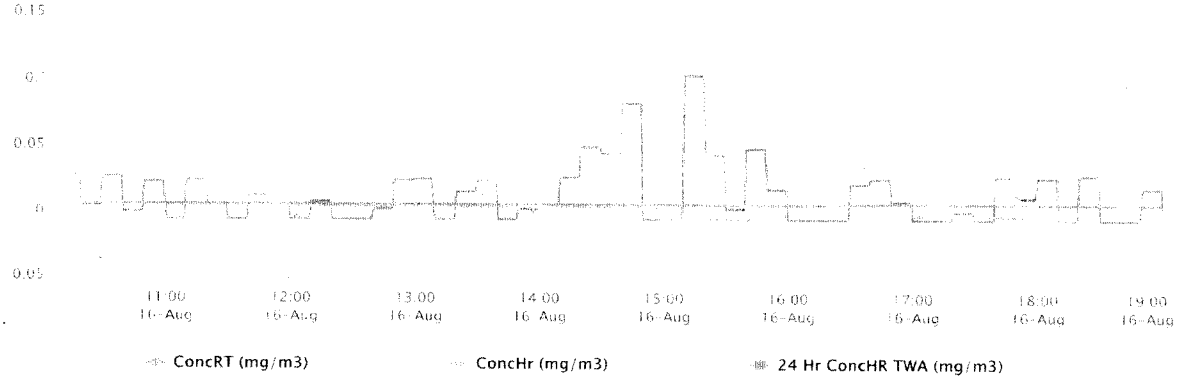
8/16/19 DAY Data for DustTrak 1 ($PM_{2.5}$) - Peacock Collision



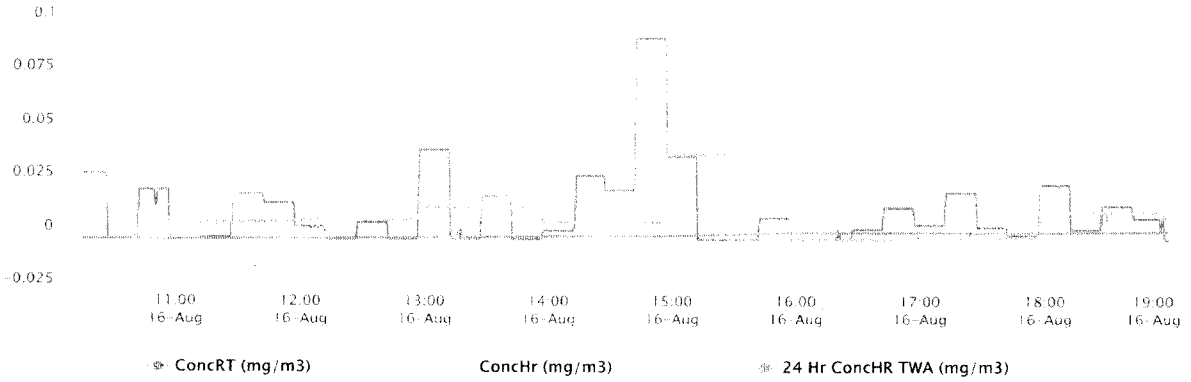
8/16/19 DAY Data for DustTrak 3 ($PM_{2.5}$) – Grace Costal Church



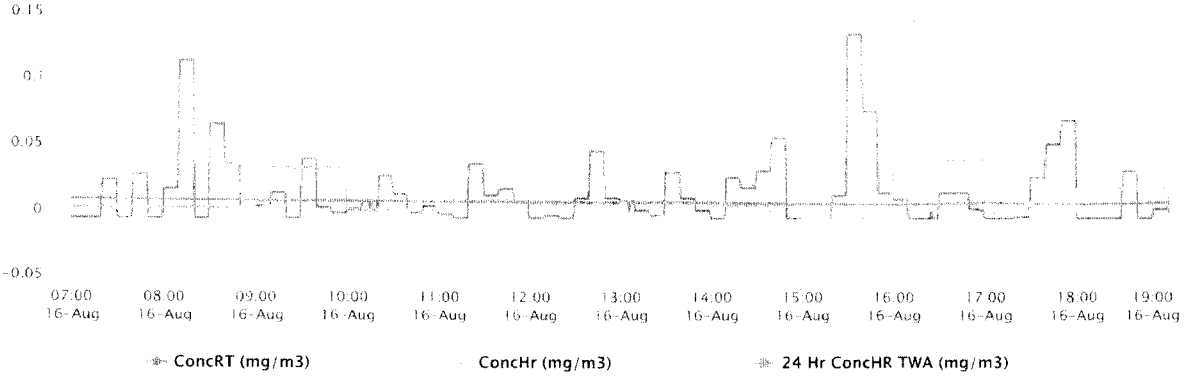
8/16/19 DAY Data for EBAM 1 (ConcRT) – Sun City



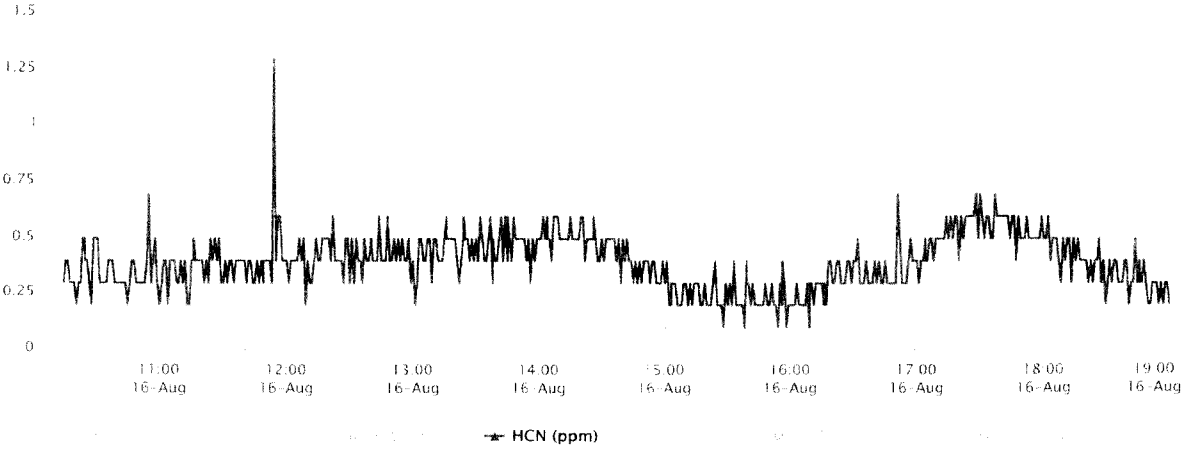
8/16/19 DAY Data for EBAM 2 (ConcRT) – Brooke Mill Apartments



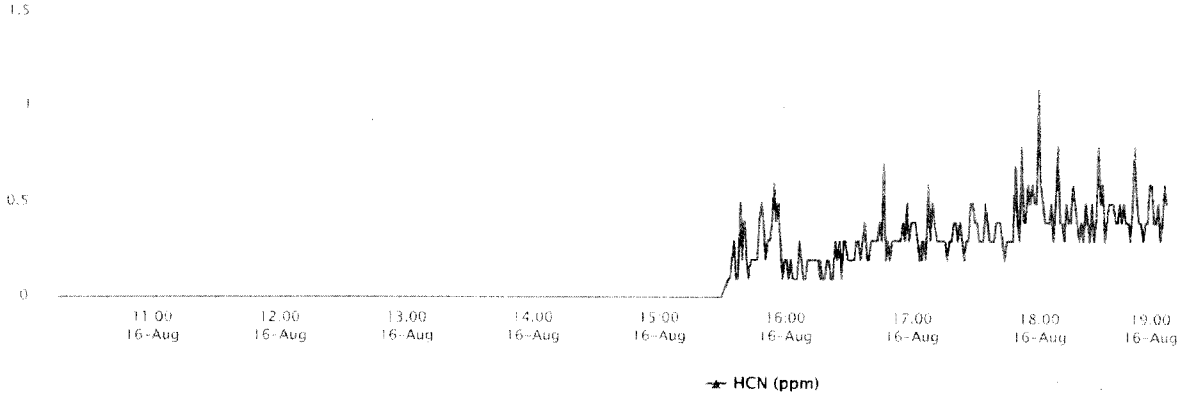
8/16/19 DAY Data for EBAM 3 (ConcRT) – EPA Mobile Command Post



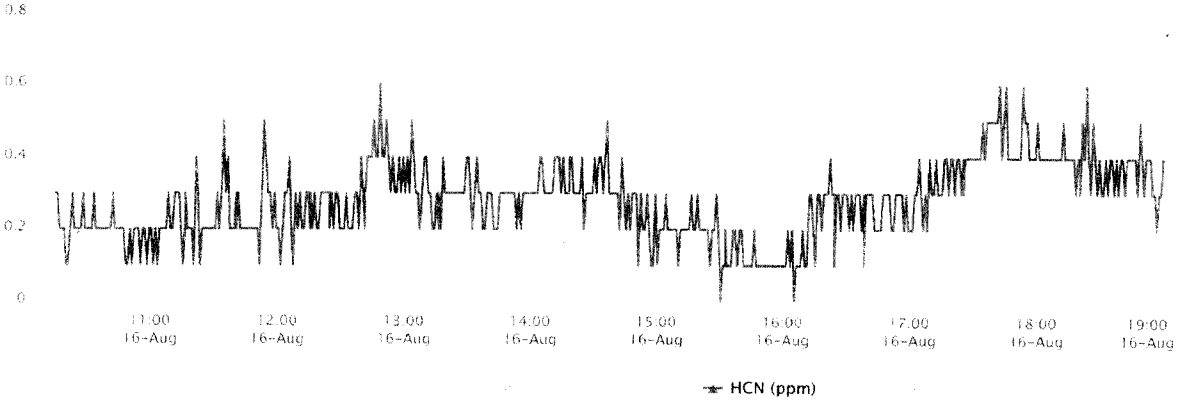
8/16/19 DAY Data for AREARAE PRO 1 (HCn) – Southwest of Pile



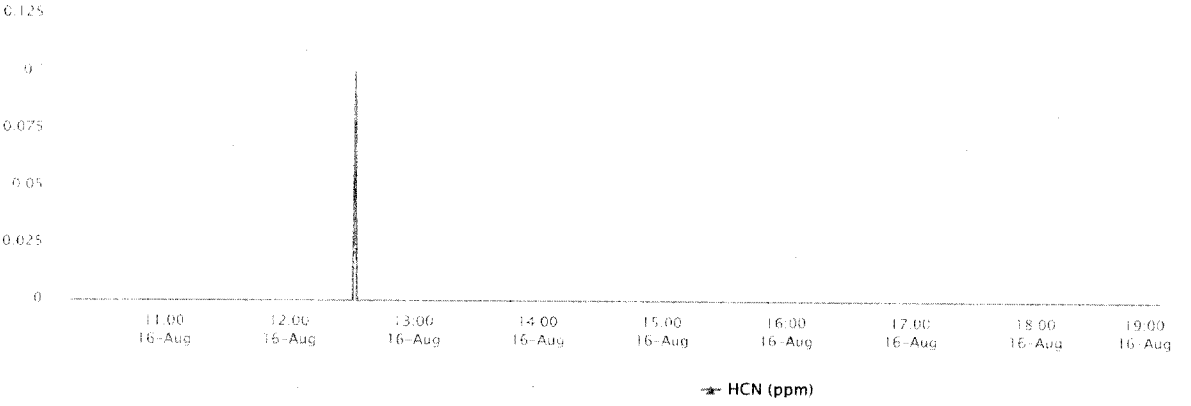
8/16/19 DAY Data for AREARAE PRO 2 (HCn) – Northwest of Pile



8/16/19 DAY Data for AREARAE PRO 3 (HCn) – Northeast of Pile



8/16/19 DAY Data for AREARAE PRO 4 (HCn) – Forrest Concrete



Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulate Matter ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	**40.1-80.0**	**12.1-35.4**	**Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.**
Unhealthy for Sensitive groups	**80.1-175.0**	**35.5-55.4**	**Members of sensitive groups may experience health effects. The general public is not likely to be affected.**
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp.
- Recommendations are from the EPA Air Now web site.
- People who are unusually sensitive to air pollution are a subset of Sensitive Individuals. Unusually sensitive to air pollution can be defined as the very young, the elderly, pregnant women, and the immunocompromised.
- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air.

Threshold Values and Air Quality Index Categories for PM2.5

Level of Health Concern	Particulates ≤2.5 microns measured in µg/m3		Interpretation
	1 hour average	24 hour average	
Good	0.0-40.0	0.0-12.0	Air quality is considered satisfactory, and air pollution poses little or no risk
Moderate	40.1-80.0	12.1-35.4	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive groups	80.1-175.0	35.5-55.4	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	175.1-300.0	55.5-150.4	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	300.1-500.0	150.5-250.4	Health warnings of emergency conditions. The entire population is more likely to be affected.
Hazardous	>500.0	>250.5	Health alert: everyone may experience more serious health effects

- Threshold values taken from original EPA AQI online calculator found at http://airnow.gov/index.cfm?action=resources.aqi_conc_calc for PM2.5 (24 hour) and Idaho Department of Environmental Quality AQI for PM2.5 (1 hour) taken from http://app.airsis.com/usfs/aqi.asp
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- Sensitive individuals defined as people with lung disease, older adults and children who are at a greater risk from exposure to ozone; and persons with heart and lung disease, older adults and children who are at greater risk from the presence of particles in the air