

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060646.D
 Acq On : 8 Nov 2018 12:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:41 PM

Quant Time: Nov 09 12:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	273629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	481795	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	412697	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	226201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	148552	53.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	4.10	113	183391	49.27	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	7.55	98	520507	47.20	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.41	95	230462	47.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	144879	50.731	ug/l	97
3) Chloromethane	1.10	50	109694	45.805	ug/l	99
4) Vinyl Chloride	1.15	62	100911	45.729	ug/l #	86
5) Bromomethane	1.31	94	62475	50.437	ug/l	99
6) Chloroethane	1.36	64	42485	53.635	ug/l	93
7) Trichlorofluoromethane	1.48	101	220358	53.353	ug/l	88
8) Diethyl Ether	1.63	74	34754	45.401	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.81	101	110031	46.620	ug/l	98
10) Methyl Iodide	1.88	142	189215	48.717	ug/l	90
11) Tert butyl alcohol	2.56	59	34625	238.841	ug/l #	73
12) 1,1-Dichloroethene	1.78	96	96151	48.370	ug/l	97
13) Acrolein	1.99	56	22580	248.859	ug/l #	80
14) Allyl chloride	2.09	41	176555	54.395	ug/l	99
15) Acrylonitrile	2.93	53	71590	217.275	ug/l	94
16) Acetone	2.23	43	167696	257.414	ug/l	98
17) Carbon Disulfide	1.76	76	264350	47.210	ug/l #	91
18) Methyl Acetate	2.34	43	53395	52.739	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	235473	50.674	ug/l	99
20) Methylene Chloride	2.17	84	96015m	49.672	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	103457	49.609	ug/l	94
22) Diisopropyl ether	2.79	45	360244	52.384	ug/l	98
23) Vinyl Acetate	3.18	43	965191	233.596	ug/l	98
24) 1,1-Dichloroethane	2.86	63	209443	52.624	ug/l	98
25) 2-Butanone	4.32	43	317633	260.590	ug/l	100
26) 2,2-Dichloropropane	3.59	77	170242	57.167	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	197914	49.713	ug/l	99
28) Bromochloromethane	3.71	49	136724	54.741	ug/l	97
29) Tetrahydrofuran	4.06	42	117934	244.422	ug/l	99
30) Chloroform	3.85	83	339563	53.928	ug/l	99
31) Cyclohexane	3.68	56	283522	51.622	ug/l	94
32) 1,1,1-Trichloroethane	4.09	97	258969	58.887	ug/l	95
36) 1,1-Dichloropropene	4.26	75	255023	48.073	ug/l	96
37) Ethyl Acetate	4.10	43	105751	41.527	ug/l #	78
38) Carbon Tetrachloride	3.98	117	252329m	55.665	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	315396	48.719	ug/l	98
40) Benzene	4.63	78	621566	48.270	ug/l	96
41) Methacrylonitrile	4.73	41	62060	43.034	ug/l #	91
42) 1,2-Dichloroethane	4.93	62	193392	52.328	ug/l	96
43) Isopropyl Acetate	6.95	43	152677	47.398	ug/l #	99
44) Trichloroethene	5.50	130	179037	46.263	ug/l	93
45) 1,2-Dichloropropane	6.23	63	165021	50.108	ug/l	97
46) Dibromomethane	6.08	93	104505	50.019	ug/l	94
47) Bromodichloromethane	6.37	83	254161	50.435	ug/l	99
48) Methyl methacrylate	6.71	41	97440	48.131	ug/l	97
49) 1,4-Dioxane	6.70	88	18265	862.460	ug/l #	84
51) 4-Methyl-2-Pentanone	8.25	43	497608	229.723	ug/l	96
52) Toluene	7.62	92	397212	47.354	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	193602	44.202	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	270892	48.952	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	113771	46.610	ug/l	99
56) Ethyl methacrylate	8.61	69	145155	46.221	ug/l	96
57) 1,3-Dichloropropane	8.84	76	200056	46.710	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.62	63	53790	269.390	ug/l	100
59) 2-Hexanone	9.48	43	402140	283.838	ug/l	96
60) Dibromochloromethane	8.71	129	157252	46.065	ug/l	100
61) 1,2-Dibromoethane	8.98	107	119489	46.550	ug/l	97
64) Tetrachloroethene	8.14	164	152402	47.120	ug/l	97
65) Chlorobenzene	9.79	112	410788	48.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	173903	48.766	ug/l	97
67) Ethyl Benzene	9.90	91	744274	48.597	ug/l	98
68) m/p-Xylenes	10.12	106	523589	90.758	ug/l	99
69) o-Xylene	10.70	106	302929	48.088	ug/l	96
70) Styrene	10.78	104	434146	47.571	ug/l	96
71) Bromoform	10.76	173	85008	46.155	ug/l	98
73) Isopropylbenzene	11.12	105	857189	48.591	ug/l	98
74) N-amyl acetate	11.37	43	245275	55.232	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	163362	50.734	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	73899	46.699	ug/l	94
77) Bromobenzene	11.49	156	197315	51.117	ug/l	87
78) n-propylbenzene	11.59	91	1017916	49.318	ug/l	96
79) 2-Chlorotoluene	11.71	91	591791	50.206	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	718519	49.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	54513m	43.833	ug/l	
82) 4-Chlorotoluene	11.90	91	589105	47.903	ug/l	95
83) tert-Butylbenzene	12.13	119	729037	49.077	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	707721	49.700	ug/l	100
85) sec-Butylbenzene	12.30	105	967761	47.358	ug/l	97
86) p-Isopropyltoluene	12.46	119	800142	47.548	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	363220	47.940	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	352028	48.986	ug/l	99
89) n-Butylbenzene	12.84	91	836778	51.548	ug/l	98
90) Hexachloroethane	12.91	117	212339	49.618	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	350270	49.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	28232	50.466	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	238741	49.579	ug/l	98
94) Hexachlorobutadiene	14.19	225	155871	49.953	ug/l	97
95) Naphthalene	14.45	128	496503	51.515	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	229071	50.358	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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