

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF121818\
 Data File : VF061059.D
 Acq On : 18 Dec 2018 13:31
 Operator : VA/AP
 Sample : VF1218SBS02
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBS02

Quant Time: Dec 19 01:22:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	173369	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	294312	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	277183	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	144023	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	119565	58.54	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	117.08%	
35) Dibromofluoromethane	4.11	113	128471	55.02	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.04%	
50) Toluene-d8	7.55	98	342748	49.83	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.41	95	162892	52.11	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	56530	21.808	ug/l	94
3) Chloromethane	1.10	50	39493	23.413	ug/l	89
4) Vinyl Chloride	1.14	62	39285	24.968	ug/l	94
5) Bromomethane	1.32	94	26476	23.864	ug/l	87
6) Chloroethane	1.39	64	17825	26.208	ug/l #	86
7) Trichlorofluoromethane	1.48	101	81867	24.250	ug/l #	82
8) Diethyl Ether	1.63	74	11977	24.672	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	40081	23.485	ug/l	94
10) Methyl Iodide	1.90	142	63908m	24.635	ug/l	
11) Tert butyl alcohol	2.57	59	10160	121.356	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	31799	23.164	ug/l	87
13) Acrolein	2.01	56	6643	83.747	ug/l	90
14) Allyl chloride	2.10	41	37834	22.112	ug/l	95
15) Acrylonitrile	2.95	53	23349	124.399	ug/l	97
16) Acetone	2.25	43	51001	135.418	ug/l	95
17) Carbon Disulfide	1.83	76	84471	22.950	ug/l	99
18) Methyl Acetate	2.34	43	17909	27.604	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	73958	23.921	ug/l	94
20) Methylene Chloride	2.25	84	34655m	25.082	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	24473	18.492	ug/l	95
22) Diisopropyl ether	2.80	45	116789	25.076	ug/l	96
23) Vinyl Acetate	3.19	43	267191	125.506	ug/l	98
24) 1,1-Dichloroethane	2.87	63	68701	24.793	ug/l	97
25) 2-Butanone	4.34	43	84370	129.517	ug/l	97
26) 2,2-Dichloropropane	3.60	77	41007	22.827	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	51649	23.972	ug/l	92
28) Bromochloromethane	3.72	49	33520	25.206	ug/l #	81
29) Tetrahydrofuran	4.09	42	32264	116.844	ug/l	100
30) Chloroform	3.86	83	105008	24.623	ug/l	97
31) Cyclohexane	3.69	56	68756m	23.909	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	64178	21.699	ug/l	93
36) 1,1-Dichloropropene	4.28	75	75290	23.064	ug/l	99
37) Ethyl Acetate	4.12	43	32617	24.587	ug/l #	84
38) Carbon Tetrachloride	3.99	117	62423	21.650	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	71772	20.980	ug/l	98
40) Benzene	4.63	78	168438	23.356	ug/l	96
41) Methacrylonitrile	4.75	41	17352	23.183	ug/l #	87
42) 1,2-Dichloroethane	4.95	62	65362	24.826	ug/l	95
43) Isopropyl Acetate	6.96	43	41612	24.010	ug/l #	96
44) Trichloroethene	5.51	130	55620	23.588	ug/l	97
45) 1,2-Dichloropropane	6.24	63	41841	22.339	ug/l	98
46) Dibromomethane	6.08	93	29969	23.587	ug/l	88
47) Bromodichloromethane	6.39	83	82247	24.372	ug/l	96
48) Methyl methacrylate	6.72	41	27926	23.257	ug/l	94
49) 1,4-Dioxane	6.71	88	4735	538.796	ug/l #	79
51) 4-Methyl-2-Pentanone	8.26	43	148081	121.049	ug/l	98
52) Toluene	7.63	92	114409	22.585	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	65069	23.705	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	80412	23.663	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	35644	24.148	ug/l	93
56) Ethyl methacrylate	8.63	69	37772	23.036	ug/l #	94
57) 1,3-Dichloropropane	8.85	76	63537	24.604	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	36062	215.014	ug/l	97
59) 2-Hexanone	9.50	43	105005	122.351	ug/l	99
60) Dibromochloromethane	8.72	129	49802	22.645	ug/l	98
61) 1,2-Dibromoethane	8.99	107	35369	22.181	ug/l	100
64) Tetrachloroethene	8.15	164	47084	22.240	ug/l	97
65) Chlorobenzene	9.80	112	125474	23.269	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	52179	22.509	ug/l	98
67) Ethyl Benzene	9.90	91	240067	23.914	ug/l	98
68) m/p-Xylenes	10.14	106	173427	48.033	ug/l	96
69) o-Xylene	10.72	106	91197	22.906	ug/l	92
70) Styrene	10.79	104	133773	24.238	ug/l	99
71) Bromoform	10.78	173	26342	23.525	ug/l #	95
73) Isopropylbenzene	11.12	105	273795	24.056	ug/l	99
74) N-amyl acetate	11.37	43	62812	23.900	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.70	83	46068	24.594	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	35116	25.792	ug/l	89
77) Bromobenzene	11.50	156	56992	22.840	ug/l	87
78) n-propylbenzene	11.60	91	327244	24.552	ug/l	97
79) 2-Chlorotoluene	11.72	91	182230	23.844	ug/l	94
80) 1,3,5-Trimethylbenzene	11.82	105	227355	24.606	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	15893m	23.824	ug/l	
82) 4-Chlorotoluene	11.90	91	196431	24.423	ug/l	96
83) tert-Butylbenzene	12.13	119	226756	24.093	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	217208	23.555	ug/l	100
85) sec-Butylbenzene	12.31	105	315724	24.505	ug/l	97
86) p-Isopropyltoluene	12.46	119	256303	23.727	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	111226	23.434	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	111207	24.042	ug/l	96
89) n-Butylbenzene	12.85	91	269276	24.653	ug/l	96
90) Hexachloroethane	12.92	117	59842	23.006	ug/l	98
91) 1,2-Dichlorobenzene	12.95	146	101570	22.597	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8456	23.349	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.20	180	79281	25.244	ug/l	92
94) Hexachlorobutadiene	14.19	225	48991	23.401	ug/l	97
95) Naphthalene	14.46	128	132969	19.693	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	68354	23.440	ug/l	99

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

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