

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061016.D
 Acq On : 14 Dec 2018 13:20
 Operator : VA/AP
 Sample : VF1214SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBS01

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:39 PM

Quant Time: Dec 15 00:22:55 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	4.85	168	191316	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	320480	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.77	117	291053	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	150500	50.00	ug/l	-0.04

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	122799	54.49	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	4.09	113	129390	50.89	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	7.55	98	353758	47.24	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.40	95	167938	49.34	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	56400	19.716	ug/l	99
3) Chloromethane	1.10	50	42064	22.598	ug/l #	81
4) Vinyl Chloride	1.14	62	40399	23.267	ug/l	99
5) Bromomethane	1.32	94	30366	24.802	ug/l	97
6) Chloroethane	1.38	64	19596	26.109	ug/l	99
7) Trichlorofluoromethane	1.49	101	83057	22.295	ug/l #	82
8) Diethyl Ether	1.63	74	13240	24.715	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45961	24.404	ug/l	88
10) Methyl Iodide	1.90	142	71164m	24.859	ug/l	
11) Tert butyl alcohol	2.57	59	9924	107.417	ug/l #	80
12) 1,1-Dichloroethene	1.79	96	34813	22.981	ug/l	98
13) Acrolein	1.99	56	6375	72.829	ug/l	100
14) Allyl chloride	2.08	41	42804	22.670	ug/l	96
15) Acrylonitrile	2.93	53	24645	118.986	ug/l	93
16) Acetone	2.23	43	52109	125.380	ug/l	94
17) Carbon Disulfide	1.83	76	95689	23.559	ug/l #	93
18) Methyl Acetate	2.34	43	19315	26.940	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	74057	21.706	ug/l	95
20) Methylene Chloride	2.24	84	38007m	24.928	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	34174m	23.400	ug/l	
22) Diisopropyl ether	2.79	45	124153	24.157	ug/l	98
23) Vinyl Acetate	3.18	43	291878	124.240	ug/l	99
24) 1,1-Dichloroethane	2.86	63	73132	23.917	ug/l	99
25) 2-Butanone	4.32	43	91456	127.224	ug/l	95
26) 2,2-Dichloropropane	3.59	77	45481	22.942	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	56579	23.797	ug/l	89
28) Bromochloromethane	3.71	49	34912	23.790	ug/l	97
29) Tetrahydrofuran	4.06	42	34749	114.039	ug/l	98
30) Chloroform	3.85	83	106406	22.610	ug/l	99
31) Cyclohexane	3.67	56	77635m	24.464	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	63857	19.565	ug/l	98
36) 1,1-Dichloropropene	4.26	75	81954	23.055	ug/l	96
37) Ethyl Acetate	4.09	43	31080	21.516	ug/l #	93
38) Carbon Tetrachloride	3.98	117	65641	20.907	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	78727	21.134	ug/l	90
40) Benzene	4.62	78	184559	23.502	ug/l	98
41) Methacrylonitrile	4.74	41	19375	23.879	ug/l #	87
42) 1,2-Dichloroethane	4.93	62	67254	23.458	ug/l	100
43) Isopropyl Acetate	6.95	43	41927	22.002	ug/l #	98
44) Trichloroethene	5.48	130	56222	21.896	ug/l	91
45) 1,2-Dichloropropane	6.22	63	49596	24.317	ug/l #	89
46) Dibromomethane	6.08	93	29477	21.306	ug/l	98
47) Bromodichloromethane	6.37	83	79636	21.672	ug/l #	95
48) Methyl methacrylate	6.71	41	27219	20.817	ug/l	98
49) 1,4-Dioxane	6.70	88	3644	380.793	ug/l	96
51) 4-Methyl-2-Pentanone	8.25	43	146014	109.614	ug/l	94
52) Toluene	7.62	92	114835	20.818	ug/l	93
53) t-1,3-Dichloropropene	8.27	75	66270	22.171	ug/l	94
54) cis-1,3-Dichloropropene	7.29	75	82809	22.379	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	34739	21.613	ug/l	90
56) Ethyl methacrylate	8.60	69	37394	20.943	ug/l	97
57) 1,3-Dichloropropane	8.84	76	62972	22.394	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.28	63	41286	226.062	ug/l	91
59) 2-Hexanone	9.48	43	102509	109.690	ug/l	100
60) Dibromochloromethane	8.70	129	52186	21.791	ug/l	97
61) 1,2-Dibromoethane	8.98	107	37843	21.795	ug/l	100
64) Tetrachloroethene	8.14	164	51259	23.058	ug/l	95
65) Chlorobenzene	9.79	112	131815	23.280	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	55774	22.913	ug/l	96
67) Ethyl Benzene	9.88	91	254371	24.131	ug/l	99
68) m/p-Xylenes	10.12	106	169459	44.698	ug/l	96
69) o-Xylene	10.70	106	99527	23.807	ug/l	93
70) Styrene	10.77	104	134409	23.193	ug/l	98
71) Bromoform	10.76	173	24736	21.038	ug/l	95
73) Isopropylbenzene	11.12	105	295270	24.826	ug/l	99
74) N-amyl acetate	11.36	43	67710	24.655	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	47613	24.325	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	35038m	24.627	ug/l	
77) Bromobenzene	11.48	156	60957	23.378	ug/l	82
78) n-propylbenzene	11.58	91	334502	24.017	ug/l	99
79) 2-Chlorotoluene	11.71	91	196981	24.665	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	236151	24.458	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	14919m	21.402	ug/l	
82) 4-Chlorotoluene	11.89	91	198777	23.651	ug/l	97
83) tert-Butylbenzene	12.12	119	239930	24.395	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	229031	23.768	ug/l	99
85) sec-Butylbenzene	12.30	105	317795	23.604	ug/l	99
86) p-Isopropyltoluene	12.45	119	264130	23.400	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	117375	23.665	ug/l	91
88) 1,4-Dichlorobenzene	12.56	146	111083	22.982	ug/l	97
89) n-Butylbenzene	12.83	91	285121	24.980	ug/l	97
90) Hexachloroethane	12.91	117	65900	24.245	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	109248	23.260	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7230	19.105	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	79235	24.144	ug/l	95
94) Hexachlorobutadiene	14.19	225	51544	23.560	ug/l	98
95) Naphthalene	14.45	128	132129	18.542	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	70634	23.180	ug/l	96

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

