

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
 Data File : VF061142.D
 Acq On : 22 Dec 2018 14:04
 Operator : VA/AP
 Sample : VF1222SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1222SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:05:03 AM

Quant Time: Dec 24 03:16:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	204770	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	371705	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	339990	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	166429	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	129759	49.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	4.14	113	149788	50.31	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	7.57	98	406489	48.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.43	95	195951	50.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	85985	18.890	ug/l	96
3) Chloromethane	1.10	50	55662	21.348	ug/l	98
4) Vinyl Chloride	1.14	62	51116	21.133	ug/l	97
5) Bromomethane	1.34	94	35092	20.917	ug/l	93
6) Chloroethane	1.39	64	22389	20.088	ug/l	98
7) Trichlorofluoromethane	1.50	101	88914	19.252	ug/l	100
8) Diethyl Ether	1.65	74	11799	18.657	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	47450	19.816	ug/l	98
10) Methyl Iodide	1.91	142	74761m	19.806	ug/l	
11) Tert butyl alcohol	2.59	59	10145	95.455	ug/l	98
12) 1,1-Dichloroethene	1.80	96	36957	20.474	ug/l #	94
13) Acrolein	2.01	56	7459	97.125	ug/l	98
14) Allyl chloride	2.11	41	46909	24.972	ug/l	87
15) Acrylonitrile	2.96	53	27820	113.199	ug/l	88
16) Acetone	2.25	43	50371	95.671	ug/l	98
17) Carbon Disulfide	1.84	76	113660	20.836	ug/l	95
18) Methyl Acetate	2.37	43	26645m	24.461	ug/l	
19) Methyl tert-butyl Ether	2.45	73	79669	19.885	ug/l	96
20) Methylene Chloride	2.26	84	41941m	22.454	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	37135m	19.235	ug/l	
22) Diisopropyl ether	2.82	45	129357	20.674	ug/l	96
23) Vinyl Acetate	3.21	43	327668	113.515	ug/l	97
24) 1,1-Dichloroethane	2.89	63	78340	21.131	ug/l	99
25) 2-Butanone	4.37	43	92603	108.448	ug/l	98
26) 2,2-Dichloropropane	3.62	77	43768	20.572	ug/l	94
27) cis-1,2-Dichloroethene	3.50	96	58134	19.669	ug/l	89
28) Bromochloromethane	3.74	49	41324	21.968	ug/l #	79
29) Tetrahydrofuran	4.10	42	39144	112.631	ug/l	95
30) Chloroform	3.89	83	111250	20.013	ug/l	95
31) Cyclohexane	3.71	56	83441	21.690	ug/l	93
32) 1,1,1-Trichloroethane	4.11	97	68870	20.670	ug/l	94
36) 1,1-Dichloropropene	4.31	75	80212	17.878	ug/l	98
37) Ethyl Acetate	4.14	43	40827	21.186	ug/l	91
38) Carbon Tetrachloride	4.01	117	67143	19.651	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	88028	21.869	ug/l	95
40) Benzene	4.66	78	195036	20.214	ug/l	93
41) Methacrylonitrile	4.78	41	20763	21.912	ug/l #	90
42) 1,2-Dichloroethane	4.97	62	64382	17.565	ug/l	96
43) Isopropyl Acetate	6.98	43	46231	21.340	ug/l	94
44) Trichloroethene	5.52	130	61893	20.346	ug/l	91
45) 1,2-Dichloropropane	6.26	63	51382	19.573	ug/l	98
46) Dibromomethane	6.12	93	32573	19.131	ug/l	97
47) Bromodichloromethane	6.41	83	84116	19.014	ug/l	97
48) Methyl methacrylate	6.75	41	28820	19.056	ug/l	98
49) 1,4-Dioxane	6.73	88	3722	339.169	ug/l #	64
51) 4-Methyl-2-Pentanone	8.29	43	154200	103.784	ug/l	100
52) Toluene	7.64	92	125136	19.592	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	70191	19.668	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	90207	20.140	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	37819	19.752	ug/l	93
56) Ethyl methacrylate	8.64	69	41903	20.225	ug/l	98
57) 1,3-Dichloropropane	8.88	76	66666	19.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	42885	107.773	ug/l	99
59) 2-Hexanone	9.52	43	117509	109.363	ug/l	98
60) Dibromochloromethane	8.74	129	52574	19.155	ug/l	98
61) 1,2-Dibromoethane	9.02	107	39930	19.527	ug/l	98
64) Tetrachloroethene	8.18	164	49722	19.011	ug/l	97
65) Chlorobenzene	9.82	112	141364	20.127	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.95	131	56325	19.623	ug/l	96
67) Ethyl Benzene	9.92	91	263282	20.575	ug/l	100
68) m/p-Xylenes	10.16	106	190409	42.283	ug/l	97
69) o-Xylene	10.73	106	101422	20.307	ug/l	98
70) Styrene	10.81	104	135438	19.251	ug/l	99
71) Bromoform	10.79	173	26227	19.750	ug/l	100
73) Isopropylbenzene	11.15	105	306967	21.403	ug/l	97
74) N-amyl acetate	11.39	43	71902	22.581	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	52890	22.220	ug/l	93
76) 1,2,3-Trichloropropane	11.82	75	36883	20.821	ug/l	92
77) Bromobenzene	11.51	156	59953	19.419	ug/l	94
78) n-propylbenzene	11.61	91	364865	19.556	ug/l	100
79) 2-Chlorotoluene	11.74	91	207490	21.089	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	250692	21.228	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.89	75	16818m	22.094	ug/l	
82) 4-Chlorotoluene	11.92	91	212133	20.843	ug/l	99
83) tert-Butylbenzene	12.14	119	263754	21.704	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	235397	19.988	ug/l	100
85) sec-Butylbenzene	12.32	105	334173	21.072	ug/l	96
86) p-Isopropyltoluene	12.48	119	273494	20.776	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	117011	19.996	ug/l	94
88) 1,4-Dichlorobenzene	12.59	146	113495	20.020	ug/l	97
89) n-Butylbenzene	12.86	91	287486	18.991	ug/l	96
90) Hexachloroethane	12.93	117	67816	20.852	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	111398	20.183	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8108	18.562	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	82738	21.137	ug/l	97
94) Hexachlorobutadiene	14.20	225	49227	19.746	ug/l	94
95) Naphthalene	14.47	128	142481	19.934	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	71847	19.855	ug/l	98

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

