

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060570.D
 Acq On : 5 Nov 2018 13:32
 Operator : VA/AP
 Sample : VF1105SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1105SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 12:53:46 PM

Quant Time: Nov 05 13:42:50 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	4.85	168	272120	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	459906	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	419541	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	225501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	148813	54.13	ug/l	-0.03
Spiked Amount 50.000			Recovery =	108.26%		
35) Dibromofluoromethane	4.09	113	178310	50.18	ug/l	-0.02
Spiked Amount 50.000			Recovery =	100.36%		
50) Toluene-d8	7.53	98	531488	50.49	ug/l	-0.03
Spiked Amount 50.000			Recovery =	100.98%		
62) 4-Bromofluorobenzene	11.40	95	236161	51.29	ug/l	-0.02
Spiked Amount 50.000			Recovery =	102.58%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	92892	31.161	ug/l	95
3) Chloromethane	1.09	50	73736	30.961	ug/l	96
4) Vinyl Chloride	1.13	62	63106	28.756	ug/l	96
5) Bromomethane	1.30	94	30216	24.529	ug/l	95
6) Chloroethane	1.37	64	19775	22.602	ug/l	98
7) Trichlorofluoromethane	1.48	101	98564	23.996	ug/l	94
8) Diethyl Ether	1.62	74	16723	21.967	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.81	101	58986	25.131	ug/l	98
10) Methyl Iodide	1.88	142	95910m	24.831	ug/l	
11) Tert butyl alcohol	2.55	59	14675	97.792	ug/l #	87
12) 1,1-Dichloroethene	1.77	96	49468	25.023	ug/l	97
13) Acrolein	2.00	56	14184	142.843	ug/l	94
14) Allyl chloride	2.09	41	83821	25.968	ug/l	99
15) Acrylonitrile	2.93	53	34115	104.113	ug/l	98
16) Acetone	2.22	43	81924	126.451	ug/l	96
17) Carbon Disulfide	1.79	76	147529m	26.493	ug/l	
18) Methyl Acetate	2.33	43	24649	24.738	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	104876	22.694	ug/l	92
20) Methylene Chloride	2.18	84	51735m	24.102	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	53144	25.624	ug/l	89
22) Diisopropyl ether	2.79	45	162707	23.791	ug/l	99
23) Vinyl Acetate	3.17	43	450909	109.734	ug/l	97
24) 1,1-Dichloroethane	2.86	63	87472	22.100	ug/l	98
25) 2-Butanone	4.32	43	149573	104.029	ug/l	96
26) 2,2-Dichloropropane	3.59	77	68228	23.038	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	91593	23.134	ug/l	99
28) Bromochloromethane	3.70	49	56627	22.798	ug/l	95
29) Tetrahydrofuran	4.06	42	51635	101.129	ug/l	95
30) Chloroform	3.84	83	132838	21.214	ug/l	93
31) Cyclohexane	3.67	56	130395	23.873	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	102953	23.540	ug/l	97
36) 1,1-Dichloropropene	4.26	75	109788	21.681	ug/l	98
37) Ethyl Acetate	4.09	43	45334	18.649	ug/l	90
38) Carbon Tetrachloride	3.97	117	92646	21.411	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	145578	23.558	ug/l	99
40) Benzene	4.61	78	267982	21.802	ug/l	100
41) Methacrylonitrile	4.73	41	26839	19.496	ug/l	89
42) 1,2-Dichloroethane	4.93	62	71133	20.163	ug/l	93
43) Isopropyl Acetate	6.94	43	55100	17.920	ug/l #	97
44) Trichloroethene	5.49	130	79540	21.531	ug/l	99
45) 1,2-Dichloropropane	6.21	63	68807	21.887	ug/l	98
46) Dibromomethane	6.07	93	39814	19.963	ug/l	96
47) Bromodichloromethane	6.37	83	102882	21.387	ug/l	96
48) Methyl methacrylate	6.69	41	37921	19.623	ug/l	96
49) 1,4-Dioxane	6.69	88	8557	423.286	ug/l	95
51) 4-Methyl-2-Pentanone	8.24	43	217508	105.193	ug/l	100
52) Toluene	7.61	92	165444	20.662	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	84727	20.265	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	111586	21.124	ug/l	98
55) 1,1,2-Trichloroethane	8.48	97	46485	19.951	ug/l	93
56) Ethyl methacrylate	8.61	69	58021	19.355	ug/l	97
57) 1,3-Dichloropropane	8.83	76	80052	19.581	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.61	63	22683	106.299	ug/l	100
59) 2-Hexanone	9.48	43	162464	103.676	ug/l	97
60) Dibromochloromethane	8.70	129	65193	20.006	ug/l	95
61) 1,2-Dibromoethane	8.97	107	51889	21.177	ug/l	92
64) Tetrachloroethene	8.13	164	63172	19.213	ug/l	92
65) Chlorobenzene	9.78	112	175020	20.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	74461	20.540	ug/l	94
67) Ethyl Benzene	9.88	91	335321	21.537	ug/l	96
68) m/p-Xylenes	10.12	106	250561	42.723	ug/l	98
69) o-Xylene	10.70	106	135442	21.150	ug/l	89
70) Styrene	10.78	104	193801	20.889	ug/l	98
71) Bromoform	10.76	173	34475	18.413	ug/l	100
73) Isopropylbenzene	11.11	105	394673	22.442	ug/l	96
74) N-amyl acetate	11.36	43	90958	18.143	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	68183	21.241	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	32848	20.822	ug/l	99
77) Bromobenzene	11.49	156	76902	19.984	ug/l	88
78) n-propylbenzene	11.59	91	472589	22.968	ug/l	99
79) 2-Chlorotoluene	11.70	91	257198	21.888	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	315733	21.781	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	26628m	21.477	ug/l	
82) 4-Chlorotoluene	11.89	91	262035	21.373	ug/l	98
83) tert-Butylbenzene	12.12	119	333208	22.500	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	313935	22.115	ug/l	96
85) sec-Butylbenzene	12.30	105	442364	21.715	ug/l	97
86) p-Isopropyltoluene	12.45	119	379885	22.645	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	158663	21.007	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	153654	21.448	ug/l	95
89) n-Butylbenzene	12.84	91	380026	20.783	ug/l	95
90) Hexachloroethane	12.91	117	93756	21.976	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	148418	21.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	11212	20.104	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	99858	20.802	ug/l	97
94) Hexachlorobutadiene	14.18	225	64688	20.795	ug/l	96
95) Naphthalene	14.45	128	178891	18.618	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	90475	19.951	ug/l	99

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

