

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061058.D
 Acq On : 18 Dec 2018 13:02
 Operator : VA/AP
 Sample : VF1218SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1218SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 2:14:54 PM

Quant Time: Dec 19 01:19:53 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	169806	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.60	114	293093	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.78	117	262324	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	136839	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	121577	60.78	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	121.56%	
35) Dibromofluoromethane	4.11	113	125898	54.15	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	108.30%	
50) Toluene-d8	7.55	98	337168	49.23	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.41	95	157797	50.69	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	53769	21.178	ug/l	93
3) Chloromethane	1.11	50	35006	21.188	ug/l	97
4) Vinyl Chloride	1.14	62	37433	24.290	ug/l	93
5) Bromomethane	1.34	94	25312	23.293	ug/l	88
6) Chloroethane	1.39	64	15931	23.915	ug/l	98
7) Trichlorofluoromethane	1.49	101	77583	23.464	ug/l	94
8) Diethyl Ether	1.63	74	10672	22.445	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	39610	23.696	ug/l	90
10) Methyl Iodide	1.91	142	60656m	23.872	ug/l	
11) Tert butyl alcohol	2.58	59	9542	116.366	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	31764	23.625	ug/l	86
13) Acrolein	2.01	56	5903	75.979	ug/l	91
14) Allyl chloride	2.10	41	37522	22.390	ug/l	92
15) Acrylonitrile	2.94	53	22546	122.641	ug/l	95
16) Acetone	2.24	43	49512	134.222	ug/l	100
17) Carbon Disulfide	1.84	76	82312m	22.832	ug/l	
18) Methyl Acetate	2.34	43	17752	27.957	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	68518	22.626	ug/l	100
20) Methylene Chloride	2.24	84	33531m	24.778	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	23434	18.078	ug/l	84
22) Diisopropyl ether	2.80	45	109483	24.001	ug/l	98
23) Vinyl Acetate	3.19	43	252114	120.908	ug/l	98
24) 1,1-Dichloroethane	2.87	63	67860	25.004	ug/l	97
25) 2-Butanone	4.34	43	74913	117.412	ug/l	92
26) 2,2-Dichloropropane	3.60	77	41921	23.825	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	50388	23.877	ug/l	89
28) Bromochloromethane	3.71	49	34920	26.810	ug/l	99
29) Tetrahydrofuran	4.08	42	32965	121.888	ug/l	97
30) Chloroform	3.86	83	98398	23.557	ug/l	97
31) Cyclohexane	3.68	56	68082m	24.171	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	60335	20.828	ug/l	96
36) 1,1-Dichloropropene	4.28	75	72473	22.293	ug/l	98
37) Ethyl Acetate	4.11	43	31580	23.905	ug/l #	95
38) Carbon Tetrachloride	3.99	117	61595	21.452	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	72379	21.245	ug/l	98
40) Benzene	4.63	78	164034	22.840	ug/l	97
41) Methacrylonitrile	4.75	41	15988	21.135	ug/l #	92
42) 1,2-Dichloroethane	4.95	62	63603	24.258	ug/l	96
43) Isopropyl Acetate	6.96	43	35577	20.206	ug/l #	99
44) Trichloroethene	5.50	130	51612	21.979	ug/l	94
45) 1,2-Dichloropropane	6.24	63	44572	23.896	ug/l	99
46) Dibromomethane	6.09	93	28243	22.321	ug/l	93
47) Bromodichloromethane	6.39	83	75188	22.373	ug/l	94
48) Methyl methacrylate	6.72	41	23770	19.878	ug/l	91
49) 1,4-Dioxane	6.70	88	4081	466.308	ug/l #	67
51) 4-Methyl-2-Pentanone	8.26	43	134859	110.700	ug/l	96
52) Toluene	7.63	92	110044	21.814	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	59914	21.918	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	73690	21.775	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	31530	21.450	ug/l	96
56) Ethyl methacrylate	8.63	69	35247	21.585	ug/l	91
57) 1,3-Dichloropropane	8.85	76	56886	22.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	32259	193.139	ug/l	97
59) 2-Hexanone	9.49	43	95236	111.430	ug/l	98
60) Dibromochloromethane	8.72	129	45763	20.895	ug/l	92
61) 1,2-Dibromoethane	8.99	107	33542	21.123	ug/l	94
64) Tetrachloroethene	8.15	164	44448	22.184	ug/l	95
65) Chlorobenzene	9.80	112	124203	24.338	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	49671	22.641	ug/l	93
67) Ethyl Benzene	9.90	91	220081	23.165	ug/l	98
68) m/p-Xylenes	10.14	106	153032	44.785	ug/l	94
69) o-Xylene	10.72	106	84587	22.449	ug/l	92
70) Styrene	10.79	104	120505	23.071	ug/l	97
71) Bromoform	10.78	173	23872	22.527	ug/l	87
73) Isopropylbenzene	11.12	105	261926	24.222	ug/l	98
74) N-amyl acetate	11.37	43	54828	21.957	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	43284	24.321	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	32849	25.393	ug/l	90
77) Bromobenzene	11.50	156	50893	21.467	ug/l	67
78) n-propylbenzene	11.60	91	311306	24.582	ug/l	100
79) 2-Chlorotoluene	11.72	91	177641	24.464	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	212291	24.182	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	15196m	23.975	ug/l	
82) 4-Chlorotoluene	11.90	91	184295	24.117	ug/l	92
83) tert-Butylbenzene	12.13	119	224006	25.050	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	212180	24.218	ug/l	97
85) sec-Butylbenzene	12.31	105	290768	23.753	ug/l	97
86) p-Isopropyltoluene	12.46	119	254740	24.821	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	107107	23.751	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	104322	23.738	ug/l	94
89) n-Butylbenzene	12.85	91	264413	25.479	ug/l	96
90) Hexachloroethane	12.92	117	57722	23.356	ug/l	99
91) 1,2-Dichlorobenzene	12.95	146	98273	23.012	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7770	22.582	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	70672	23.684	ug/l	95
94) Hexachlorobutadiene	14.19	225	46551	23.402	ug/l	99
95) Naphthalene	14.46	128	126388	19.703	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	64657	23.336	ug/l	97

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

