

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060763.D
 Acq On : 16 Nov 2018 14:07
 Operator : VA/AP
 Sample : VF1116SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Manual Integrations
 APPROVED

apatel
 11/19/2018 12:44:39 PM

Quant Time: Nov 17 04:35:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	174472	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	291524	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	265962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	147368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	97626	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	4.13	113	110024	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	7.57	98	281651	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.42	95	136918	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	67101	21.490	ug/l	94
3) Chloromethane	1.10	50	44838	23.155	ug/l	95
4) Vinyl Chloride	1.15	62	37992	21.932	ug/l	97
5) Bromomethane	1.32	94	24658	22.409	ug/l	90
6) Chloroethane	1.38	64	15176	22.392	ug/l	91
7) Trichlorofluoromethane	1.50	101	81471	21.268	ug/l	100
8) Diethyl Ether	1.64	74	10330	21.047	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41490	22.984	ug/l	97
10) Methyl Iodide	1.90	142	63507m	21.927	ug/l	
11) Tert butyl alcohol	2.58	59	11209	123.762	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	29935	21.031	ug/l #	74
13) Acrolein	2.01	56	7791	94.081	ug/l	83
14) Allyl chloride	2.11	41	56271	22.566	ug/l	97
15) Acrylonitrile	2.96	53	22805	118.167	ug/l	94
16) Acetone	2.24	43	50167	117.940	ug/l	99
17) Carbon Disulfide	1.83	76	91482m	21.265	ug/l	
18) Methyl Acetate	2.35	43	20039	28.690	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	79948	23.412	ug/l	99
20) Methylene Chloride	2.19	84	38310m	25.709	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	33188	22.317	ug/l	97
22) Diisopropyl ether	2.81	45	106452	22.112	ug/l	96
23) Vinyl Acetate	3.20	43	260201	114.775	ug/l	98
24) 1,1-Dichloroethane	2.89	63	68006	23.332	ug/l	99
25) 2-Butanone	4.35	43	79176	113.166	ug/l	99
26) 2,2-Dichloropropane	3.62	77	49463	21.565	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	53960	21.329	ug/l	97
28) Bromochloromethane	3.73	49	34818	22.986	ug/l	96
29) Tetrahydrofuran	4.09	42	35280	122.248	ug/l	98
30) Chloroform	3.87	83	91447	19.555	ug/l	100
31) Cyclohexane	3.69	56	75561	21.360	ug/l	91
32) 1,1,1-Trichloroethane	4.11	97	78986	21.448	ug/l	96
36) 1,1-Dichloropropene	4.30	75	68024	20.120	ug/l	97
37) Ethyl Acetate	4.13	43	30964	24.634	ug/l	82
38) Carbon Tetrachloride	4.01	117	65396	19.934	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	87997	22.434	ug/l	98
40) Benzene	4.64	78	162198	21.521	ug/l	99
41) Methacrylonitrile	4.77	41	14860	19.535	ug/l	93
42) 1,2-Dichloroethane	4.96	62	54285	20.843	ug/l	100
43) Isopropyl Acetate	6.97	43	35337	21.203	ug/l #	94
44) Trichloroethene	5.52	130	52769	22.192	ug/l	94
45) 1,2-Dichloropropane	6.25	63	39507	20.145	ug/l #	89
46) Dibromomethane	6.10	93	26220	20.254	ug/l	98
47) Bromodichloromethane	6.41	83	65332	19.762	ug/l	99
48) Methyl methacrylate	6.73	41	23107	20.950	ug/l	96
49) 1,4-Dioxane	6.73	88	3800	368.377	ug/l #	74
51) 4-Methyl-2-Pentanone	8.27	43	130733	108.460	ug/l	97
52) Toluene	7.64	92	101926	20.181	ug/l	88
53) t-1,3-Dichloropropene	8.29	75	52929	19.990	ug/l	91
54) cis-1,3-Dichloropropene	7.32	75	68852	20.019	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	27650	19.161	ug/l	94
56) Ethyl methacrylate	8.64	69	31175	19.023	ug/l	99
57) 1,3-Dichloropropane	8.86	76	51922	20.762	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.64	63	15787	105.453	ug/l	100
59) 2-Hexanone	9.51	43	87614	103.429	ug/l	99
60) Dibromochloromethane	8.74	129	42891	20.855	ug/l	97
61) 1,2-Dibromoethane	9.00	107	29810	19.643	ug/l	95
64) Tetrachloroethene	8.17	164	43370	20.592	ug/l	94
65) Chlorobenzene	9.81	112	109639	20.429	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	47163	20.148	ug/l	98
67) Ethyl Benzene	9.92	91	208628	20.623	ug/l	98
68) m/p-Xylenes	10.15	106	152943	42.304	ug/l	92
69) o-Xylene	10.73	106	81660	20.090	ug/l	100
70) Styrene	10.81	104	116417	21.104	ug/l	100
71) Bromoform	10.79	173	21339	20.272	ug/l #	99
73) Isopropylbenzene	11.13	105	250318	21.102	ug/l	95
74) N-amyl acetate	11.38	43	56595	20.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	41986	21.409	ug/l	94
76) 1,2,3-Trichloropropane	11.80	75	30207	20.739	ug/l	94
77) Bromobenzene	11.51	156	54014	21.876	ug/l	96
78) n-propylbenzene	11.61	91	287424	20.776	ug/l	97
79) 2-Chlorotoluene	11.73	91	169419	21.070	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	208831	22.175	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	15705m	21.948	ug/l	
82) 4-Chlorotoluene	11.91	91	167759	20.366	ug/l	99
83) tert-Butylbenzene	12.14	119	218588	21.861	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	201304	20.668	ug/l	94
85) sec-Butylbenzene	12.32	105	279957	20.640	ug/l	98
86) p-Isopropyltoluene	12.47	119	236542	20.880	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	103452	21.054	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	99340	21.035	ug/l	93
89) n-Butylbenzene	12.86	91	247632	21.419	ug/l	94
90) Hexachloroethane	12.93	117	57359	20.701	ug/l	94
91) 1,2-Dichlorobenzene	12.96	146	99255	21.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7309	19.829	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	72310	21.745	ug/l	93
94) Hexachlorobutadiene	14.20	225	44219	20.349	ug/l	96
95) Naphthalene	14.47	128	119073	19.624	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	63899	20.795	ug/l	97

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

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