

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060648.D
 Acq On : 8 Nov 2018 14:00
 Operator : VA/AP
 Sample : VF1108SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1108SBS01

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:45 PM

Quant Time: Nov 09 13:22:09 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	4.86	168	255718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	455140	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	392623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	209847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	153543	59.43	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	118.86%	
35) Dibromofluoromethane	4.11	113	187375	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	7.55	98	497024	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.41	95	220984	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	89304	31.979	ug/l	99
3) Chloromethane	1.09	50	59539	26.603	ug/l #	88
4) Vinyl Chloride	1.14	62	54794	26.570	ug/l	94
5) Bromomethane	1.30	94	29811	25.752	ug/l #	78
6) Chloroethane	1.37	64	17956	21.681	ug/l #	87
7) Trichlorofluoromethane	1.49	101	102144	26.463	ug/l	97
8) Diethyl Ether	1.62	74	13903	19.434	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	52400	23.757	ug/l	99
10) Methyl Iodide	1.88	142	83942m	23.126	ug/l	
11) Tert butyl alcohol	2.56	59	17249	124.064	ug/l	92
12) 1,1-Dichloroethene	1.78	96	42039	22.629	ug/l	91
13) Acrolein	2.00	56	9902	96.100	ug/l	95
14) Allyl chloride	2.09	41	73782	24.324	ug/l	92
15) Acrylonitrile	2.93	53	35290	114.607	ug/l	97
16) Acetone	2.24	43	94402	155.057	ug/l	96
17) Carbon Disulfide	1.80	76	121526	23.223	ug/l	100
18) Methyl Acetate	2.33	43	23658	25.256	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	116374	26.798	ug/l	99
20) Methylene Chloride	2.18	84	44666m	21.645	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	46408	23.812	ug/l	96
22) Diisopropyl ether	2.80	45	153110	23.824	ug/l	99
23) Vinyl Acetate	3.18	43	448901	116.253	ug/l	98
24) 1,1-Dichloroethane	2.87	63	95283	25.618	ug/l #	96
25) 2-Butanone	4.33	43	159225	122.730	ug/l	95
26) 2,2-Dichloropropane	3.59	77	69922	25.124	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	86815	23.334	ug/l	99
28) Bromochloromethane	3.72	49	55859	23.931	ug/l	94
29) Tetrahydrofuran	4.06	42	61747	131.845	ug/l	95
30) Chloroform	3.85	83	147643	25.090	ug/l	98
31) Cyclohexane	3.69	56	125686	24.487	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	111198	27.056	ug/l	96
36) 1,1-Dichloropropene	4.27	75	104258	20.804	ug/l	97
37) Ethyl Acetate	4.10	43	55576	23.102	ug/l	95
38) Carbon Tetrachloride	3.98	117	104793	24.472	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	140624	22.994	ug/l	94
40) Benzene	4.62	78	276279	22.712	ug/l	99
41) Methacrylonitrile	4.73	41	29942	21.978	ug/l #	88
42) 1,2-Dichloroethane	4.94	62	82139	23.527	ug/l	97
43) Isopropyl Acetate	6.95	43	62859	20.657	ug/l #	97
44) Trichloroethene	5.50	130	77605	21.227	ug/l	97
45) 1,2-Dichloropropane	6.23	63	65535	21.065	ug/l	99
46) Dibromomethane	6.08	93	44323	22.457	ug/l	98
47) Bromodichloromethane	6.38	83	107498	22.581	ug/l	97
48) Methyl methacrylate	6.71	41	39070	20.429	ug/l	97
49) 1,4-Dioxane	6.71	88	7778	388.780	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	237317	115.975	ug/l	96
52) Toluene	7.62	92	163666	20.654	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	86144	20.820	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	109641	20.973	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	50571	21.931	ug/l	95
56) Ethyl methacrylate	8.62	69	59483	20.050	ug/l	93
57) 1,3-Dichloropropane	8.84	76	84075	20.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	23136	110.255	ug/l	100
59) 2-Hexanone	9.49	43	182351	121.412	ug/l	98
60) Dibromochloromethane	8.71	129	69514	21.556	ug/l	100
61) 1,2-Dibromoethane	8.98	107	52796	21.773	ug/l	91
64) Tetrachloroethene	8.14	164	65525	21.295	ug/l	97
65) Chlorobenzene	9.79	112	174546	21.739	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	73496	21.663	ug/l	96
67) Ethyl Benzene	9.89	91	323232	22.184	ug/l	97
68) m/p-Xylenes	10.13	106	226016	41.180	ug/l	92
69) o-Xylene	10.71	106	133511	22.278	ug/l	94
70) Styrene	10.79	104	183424	21.126	ug/l	97
71) Bromoform	10.77	173	35675	20.360	ug/l	100
73) Isopropylbenzene	11.12	105	378126	23.105	ug/l	95
74) N-amyl acetate	11.37	43	95099	20.857	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	73816	24.711	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	31989	21.790	ug/l	95
77) Bromobenzene	11.50	156	78021	21.788	ug/l	82
78) n-propylbenzene	11.59	91	445001	23.240	ug/l	97
79) 2-Chlorotoluene	11.72	91	251253	22.977	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	312215	23.145	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	24300m	21.062	ug/l	
82) 4-Chlorotoluene	11.89	91	257104	22.536	ug/l	98
83) tert-Butylbenzene	12.13	119	324413	23.541	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	306574	23.207	ug/l	93
85) sec-Butylbenzene	12.31	105	430793	22.724	ug/l	100
86) p-Isopropyltoluene	12.46	119	353111	22.619	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	152872	21.750	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	148506	22.276	ug/l	98
89) n-Butylbenzene	12.84	91	367116	21.653	ug/l	95
90) Hexachloroethane	12.92	117	89700	22.594	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	152794	23.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	11855	22.843	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	106352	23.807	ug/l	96
94) Hexachlorobutadiene	14.19	225	63202	21.833	ug/l	96
95) Naphthalene	14.46	128	204164	22.834	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	98274	23.288	ug/l	97

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

