

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF060998.D
 Acq On : 12 Dec 2018 16:21
 Operator : VA/AP
 Sample : VF1212SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1212SBS01

Manual Integrations
 APPROVED

apatel
 12/13/2018 3:41:46 PM

Quant Time: Dec 13 02:28:03 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	4.86	168	163663	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	283267	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	257651	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	140491	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	113990	59.12	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	118.24%	
35) Dibromofluoromethane	4.10	113	127112	56.56	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	113.12%	
50) Toluene-d8	7.55	98	332467	50.22	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.40	95	156485	52.01	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	56645	23.148	ug/l	95
3) Chloromethane	1.08	50	39034	24.513	ug/l	94
4) Vinyl Chloride	1.13	62	37897	25.514	ug/l	96
5) Bromomethane	1.32	94	25638	24.479	ug/l	96
6) Chloroethane	1.38	64	17082	26.605	ug/l	89
7) Trichlorofluoromethane	1.48	101	81038	25.428	ug/l #	82
8) Diethyl Ether	1.63	74	11629	25.376	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	41527	25.775	ug/l	93
10) Methyl Iodide	1.89	142	67088m	27.395	ug/l	
11) Tert butyl alcohol	2.57	59	11192	141.611	ug/l #	80
12) 1,1-Dichloroethene	1.78	96	29871	23.050	ug/l #	85
13) Acrolein	2.00	56	7078	94.522	ug/l	96
14) Allyl chloride	2.09	41	33540	20.765	ug/l	92
15) Acrylonitrile	2.94	53	25284	142.697	ug/l	96
16) Acetone	2.24	43	49778	140.009	ug/l	99
17) Carbon Disulfide	1.83	76	88802	25.557	ug/l	98
18) Methyl Acetate	2.34	43	18941	31.132	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	71538	24.510	ug/l	97
20) Methylene Chloride	2.25	84	35178m	26.971	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	24373	19.509	ug/l	97
22) Diisopropyl ether	2.79	45	110458	25.124	ug/l	99
23) Vinyl Acetate	3.19	43	281178	139.908	ug/l #	95
24) 1,1-Dichloroethane	2.86	63	64511	24.662	ug/l	97
25) 2-Butanone	4.33	43	73578	119.648	ug/l	97
26) 2,2-Dichloropropane	3.59	77	43513	25.658	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	52740	25.930	ug/l	97
28) Bromochloromethane	3.71	49	30991	24.686	ug/l	90
29) Tetrahydrofuran	4.06	42	32894	126.191	ug/l	96
30) Chloroform	3.86	83	102937	25.569	ug/l	98
31) Cyclohexane	3.68	56	70518m	25.976	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	64666	23.161	ug/l	95
36) 1,1-Dichloropropene	4.27	75	73597	23.424	ug/l	93
37) Ethyl Acetate	4.11	43	33052	25.887	ug/l #	69
38) Carbon Tetrachloride	3.98	117	64772	23.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	77159	23.434	ug/l	96
40) Benzene	4.63	78	165487	23.842	ug/l	97
41) Methacrylonitrile	4.74	41	17582	24.628	ug/l	89
42) 1,2-Dichloroethane	4.93	62	60440	23.851	ug/l	94
43) Isopropyl Acetate	6.95	43	38181	22.755	ug/l #	99
44) Trichloroethene	5.49	130	52268	23.031	ug/l	79
45) 1,2-Dichloropropane	6.22	63	44315	24.583	ug/l	93
46) Dibromomethane	6.08	93	28659	23.436	ug/l	89
47) Bromodichloromethane	6.39	83	89418	27.530	ug/l	96
48) Methyl methacrylate	6.71	41	27516	23.809	ug/l	98
49) 1,4-Dioxane	6.71	88	4546	537.459	ug/l #	77
51) 4-Methyl-2-Pentanone	8.26	43	134638	114.352	ug/l	99
52) Toluene	7.61	92	110919	22.750	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	63356	23.981	ug/l	91
54) cis-1,3-Dichloropropene	7.30	75	77922	23.824	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	30519	21.482	ug/l	94
56) Ethyl methacrylate	8.61	69	35181	22.292	ug/l	92
57) 1,3-Dichloropropane	8.85	76	59977	24.131	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.29	63	35163	217.829	ug/l	96
59) 2-Hexanone	9.49	43	98623	119.396	ug/l	97
60) Dibromochloromethane	8.71	129	49785	23.519	ug/l	95
61) 1,2-Dibromoethane	8.99	107	35160	22.910	ug/l	100
64) Tetrachloroethene	8.15	164	45779	23.262	ug/l	94
65) Chlorobenzene	9.79	112	125239	24.986	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.92	131	51276	23.796	ug/l	95
67) Ethyl Benzene	9.89	91	231078	24.764	ug/l	100
68) m/p-Xylenes	10.13	106	155958	46.470	ug/l	94
69) o-Xylene	10.71	106	92368	24.959	ug/l	92
70) Styrene	10.78	104	130197	25.379	ug/l	95
71) Bromoform	10.77	173	25260	24.269	ug/l	91
73) Isopropylbenzene	11.12	105	272374	24.533	ug/l	99
74) N-amyl acetate	11.37	43	64137	25.017	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.69	83	47856	26.191	ug/l	92
76) 1,2,3-Trichloropropane	11.79	75	34059	25.644	ug/l	94
77) Bromobenzene	11.49	156	56443	23.189	ug/l	86
78) n-propylbenzene	11.59	91	328298	25.250	ug/l	100
79) 2-Chlorotoluene	11.72	91	186661	25.038	ug/l	97
80) 1,3,5-Trimethylbenzene	11.82	105	233411	25.897	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.87	75	15668m	24.077	ug/l	
82) 4-Chlorotoluene	11.90	91	191679	24.432	ug/l	96
83) tert-Butylbenzene	12.12	119	235367	25.636	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	226955	25.231	ug/l	94
85) sec-Butylbenzene	12.30	105	321893	25.612	ug/l	96
86) p-Isopropyltoluene	12.46	119	265687	25.214	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	111849	24.158	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	106738	23.656	ug/l	93
89) n-Butylbenzene	12.84	91	279296	26.213	ug/l	97
90) Hexachloroethane	12.91	117	62960	24.813	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	108357	24.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7568	21.423	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	76938	25.114	ug/l	97
94) Hexachlorobutadiene	14.18	225	50770	24.860	ug/l	93
95) Naphthalene	14.45	128	134963	20.643	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	69019	24.263	ug/l	96

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

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