

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061159.D
 Acq On : 24 Dec 2018 12:19
 Operator : VA/AP
 Sample : VF1224SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2018 12:57:35 PM

Quant Time: Dec 25 04:57:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	215556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	372485	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	336747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	164559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	133133	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	4.12	113	150955	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	7.56	98	423841	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.41	95	196420	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	83398	17.405	ug/l	94
3) Chloromethane	1.10	50	61002	22.225	ug/l	98
4) Vinyl Chloride	1.14	62	54770	21.511	ug/l	88
5) Bromomethane	1.32	94	36080	20.430	ug/l	100
6) Chloroethane	1.38	64	23636	20.146	ug/l	92
7) Trichlorofluoromethane	1.49	101	87861	18.072	ug/l	99
8) Diethyl Ether	1.63	74	13944	20.945	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	51576	20.461	ug/l	89
10) Methyl Iodide	1.90	142	77683m	19.551	ug/l	
11) Tert butyl alcohol	2.57	59	12352	110.406	ug/l	98
12) 1,1-Dichloroethene	1.79	96	42174	22.195	ug/l	94
13) Acrolein	2.00	56	8954m	110.758	ug/l	
14) Allyl chloride	2.09	41	53659	27.136	ug/l	89
15) Acrylonitrile	2.94	53	31164	120.461	ug/l	91
16) Acetone	2.23	43	60791	109.684	ug/l	94
17) Carbon Disulfide	1.83	76	117422	20.449	ug/l #	93
18) Methyl Acetate	2.34	43	27761m	24.210	ug/l	
19) Methyl tert-butyl Ether	2.43	73	82272	19.507	ug/l	99
20) Methylene Chloride	2.24	84	55368m	29.413	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	43775m	21.540	ug/l	
22) Diisopropyl ether	2.79	45	141286	21.450	ug/l	92
23) Vinyl Acetate	3.19	43	345371	113.661	ug/l	100
24) 1,1-Dichloroethane	2.86	63	83739	21.457	ug/l	99
25) 2-Butanone	4.34	43	104901	116.704	ug/l	97
26) 2,2-Dichloropropane	3.59	77	46114	20.590	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	67500	21.695	ug/l	98
28) Bromochloromethane	3.72	49	45671	23.064	ug/l	88
29) Tetrahydrofuran	4.08	42	43419	118.680	ug/l	96
30) Chloroform	3.86	83	111127	18.991	ug/l	94
31) Cyclohexane	3.68	56	93724m	23.144	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	68210	19.448	ug/l	97
36) 1,1-Dichloropropene	4.27	75	85547	19.027	ug/l	99
37) Ethyl Acetate	4.12	43	38326	19.747	ug/l	88
38) Carbon Tetrachloride	3.99	117	66699	19.480	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	93279	23.125	ug/l	96
40) Benzene	4.63	78	211760	21.901	ug/l	98
41) Methacrylonitrile	4.75	41	22513	23.709	ug/l	92
42) 1,2-Dichloroethane	4.94	62	64335	17.515	ug/l	98
43) Isopropyl Acetate	6.96	43	49268	22.694	ug/l	92
44) Trichloroethene	5.50	130	62801	20.601	ug/l	94
45) 1,2-Dichloropropane	6.24	63	54271	20.631	ug/l	99
46) Dibromomethane	6.09	93	32894	19.279	ug/l	96
47) Bromodichloromethane	6.38	83	87585	19.757	ug/l	99
48) Methyl methacrylate	6.72	41	34243	22.594	ug/l	94
49) 1,4-Dioxane	6.71	88	4852	441.214	ug/l #	89
51) 4-Methyl-2-Pentanone	8.26	43	168547	113.203	ug/l	98
52) Toluene	7.63	92	129880	20.293	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	74447	20.817	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	91291	20.339	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	38337	19.980	ug/l	95
56) Ethyl methacrylate	8.62	69	45742	22.031	ug/l	97
57) 1,3-Dichloropropane	8.86	76	71845	20.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	45175	113.291	ug/l	97
59) 2-Hexanone	9.49	43	121179	112.543	ug/l	100
60) Dibromochloromethane	8.72	129	56620	20.586	ug/l	94
61) 1,2-Dibromoethane	8.99	107	39273	19.165	ug/l	95
64) Tetrachloroethene	8.16	164	54037	20.860	ug/l	92
65) Chlorobenzene	9.80	112	147106	21.146	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.94	131	55009	19.349	ug/l	99
67) Ethyl Benzene	9.91	91	270036	21.307	ug/l	97
68) m/p-Xylenes	10.13	106	201577	45.194	ug/l	98
69) o-Xylene	10.71	106	104670	21.159	ug/l	95
70) Styrene	10.79	104	145254	21.294	ug/l	99
71) Bromoform	10.77	173	26641	20.255	ug/l #	95
73) Isopropylbenzene	11.13	105	312633	22.046	ug/l	99
74) N-amyl acetate	11.38	43	74656	23.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	53347	22.666	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	36179	20.656	ug/l	98
77) Bromobenzene	11.49	156	64289	21.060	ug/l	94
78) n-propylbenzene	11.59	91	374177	20.347	ug/l	97
79) 2-Chlorotoluene	11.72	91	213874	21.985	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	247082	21.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16999m	22.586	ug/l	
82) 4-Chlorotoluene	11.90	91	216309	21.494	ug/l	99
83) tert-Butylbenzene	12.13	119	255493	21.263	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	250639	21.524	ug/l	97
85) sec-Butylbenzene	12.31	105	352849	22.502	ug/l	97
86) p-Isopropyltoluene	12.46	119	287812	22.113	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	124496	21.975	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	114799	20.480	ug/l	97
89) n-Butylbenzene	12.85	91	298484	20.011	ug/l	94
90) Hexachloroethane	12.92	117	65922	20.500	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	114274	20.939	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8570	19.843	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81057	20.943	ug/l	92
94) Hexachlorobutadiene	14.20	225	52264	21.202	ug/l	99
95) Naphthalene	14.45	128	145901	20.644	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	72657	20.307	ug/l	99

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

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