

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061103.D
 Acq On : 20 Dec 2018 12:52
 Operator : VA/AP
 Sample : VF1220SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1220SBS01

Manual Integrations
 APPROVED

apatel
 12/21/2018 12:23:02 PM

Quant Time: Dec 21 06:59:21 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	4.87	168	245496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	438561	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	385395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	183010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	143887	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	4.11	113	162305	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	7.56	98	470625	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.41	95	208701	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	98909	18.124	ug/l	98
3) Chloromethane	1.10	50	66853	21.386	ug/l	100
4) Vinyl Chloride	1.14	62	61031	21.046	ug/l	87
5) Bromomethane	1.33	94	40694	20.232	ug/l	94
6) Chloroethane	1.38	64	24304	18.189	ug/l	91
7) Trichlorofluoromethane	1.49	101	97821	17.667	ug/l	97
8) Diethyl Ether	1.63	74	16570	21.854	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	55153	19.212	ug/l	94
10) Methyl Iodide	1.91	142	90435m	19.984	ug/l	
11) Tert butyl alcohol	2.57	59	13035	102.301	ug/l #	93
12) 1,1-Dichloroethene	1.79	96	45729	21.131	ug/l	88
13) Acrolein	2.00	56	10576m	114.867	ug/l	
14) Allyl chloride	2.09	41	49962	22.185	ug/l	89
15) Acrylonitrile	2.95	53	33845	114.869	ug/l	90
16) Acetone	2.24	43	59592	94.408	ug/l #	86
17) Carbon Disulfide	1.83	76	133579m	20.426	ug/l	
18) Methyl Acetate	2.35	43	26153	20.026	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	88402	18.404	ug/l	96
20) Methylene Chloride	2.26	84	50913m	22.797	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	47298m	20.435	ug/l	
22) Diisopropyl ether	2.80	45	160672	21.418	ug/l	94
23) Vinyl Acetate	3.20	43	375697	108.562	ug/l	98
24) 1,1-Dichloroethane	2.87	63	92969	20.917	ug/l	100
25) 2-Butanone	4.34	43	109871	107.326	ug/l	96
26) 2,2-Dichloropropane	3.59	77	54344	21.306	ug/l	87
27) cis-1,2-Dichloroethene	3.48	96	71585	20.202	ug/l	95
28) Bromochloromethane	3.72	49	47909	21.244	ug/l #	87
29) Tetrahydrofuran	4.07	42	44237	106.170	ug/l	96
30) Chloroform	3.87	83	130749	19.619	ug/l	94
31) Cyclohexane	3.69	56	97854m	21.217	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	77476	19.395	ug/l #	90
36) 1,1-Dichloropropene	4.28	75	101583	19.189	ug/l	98
37) Ethyl Acetate	4.12	43	40016	17.363	ug/l #	90
38) Carbon Tetrachloride	3.99	117	76042	18.862	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	103821	21.861	ug/l	98
40) Benzene	4.64	78	238337	20.936	ug/l	94
41) Methacrylonitrile	4.75	41	22215	19.871	ug/l	96
42) 1,2-Dichloroethane	4.94	62	74960	17.333	ug/l	94
43) Isopropyl Acetate	6.96	43	52605	20.580	ug/l	92
44) Trichloroethene	5.50	130	74844	20.853	ug/l	96
45) 1,2-Dichloropropane	6.24	63	62593	20.209	ug/l	98
46) Dibromomethane	6.09	93	36804	18.321	ug/l	94
47) Bromodichloromethane	6.39	83	93927	17.995	ug/l	100
48) Methyl methacrylate	6.73	41	32259	18.078	ug/l	93
49) 1,4-Dioxane	6.71	88	4454	344.000	ug/l #	79
51) 4-Methyl-2-Pentanone	8.27	43	165619	94.477	ug/l	97
52) Toluene	7.62	92	151455	20.098	ug/l	96
53) t-1,3-Dichloropropene	8.29	75	77926	18.507	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	101294	19.168	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	42817	18.953	ug/l	97
56) Ethyl methacrylate	8.62	69	43880	17.950	ug/l	96
57) 1,3-Dichloropropane	8.86	76	81028	19.831	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	44321	94.403	ug/l	98
59) 2-Hexanone	9.50	43	129391	102.064	ug/l	97
60) Dibromochloromethane	8.72	129	57610	17.790	ug/l	99
61) 1,2-Dibromoethane	8.99	107	46819	19.405	ug/l	100
64) Tetrachloroethene	8.16	164	59166	19.957	ug/l	97
65) Chlorobenzene	9.80	112	160217	20.123	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.93	131	61986	19.051	ug/l	96
67) Ethyl Benzene	9.90	91	297201	20.490	ug/l	99
68) m/p-Xylenes	10.14	106	210550	41.247	ug/l	99
69) o-Xylene	10.72	106	118418	20.917	ug/l	88
70) Styrene	10.79	104	164150	20.958	ug/l	98
71) Bromoform	10.77	173	28017	18.612	ug/l #	93
73) Isopropylbenzene	11.13	105	338267	21.449	ug/l	98
74) N-amyl acetate	11.37	43	79661	22.751	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	55229	21.100	ug/l	88
76) 1,2,3-Trichloropropane	11.80	75	37204	19.100	ug/l	97
77) Bromobenzene	11.50	156	70085	20.644	ug/l	89
78) n-propylbenzene	11.60	91	415402	20.308	ug/l	99
79) 2-Chlorotoluene	11.73	91	230160	21.274	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	270042	20.795	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	16920m	20.214	ug/l	
82) 4-Chlorotoluene	11.91	91	231307	20.667	ug/l	98
83) tert-Butylbenzene	12.13	119	282028	21.105	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	267023	20.620	ug/l	99
85) sec-Butylbenzene	12.31	105	382523	21.935	ug/l	99
86) p-Isopropyltoluene	12.47	119	322301	22.266	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	136057	21.490	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	127583	20.466	ug/l	99
89) n-Butylbenzene	12.84	91	340312	20.553	ug/l	95
90) Hexachloroethane	12.92	117	72205	20.190	ug/l	83
91) 1,2-Dichlorobenzene	12.94	146	123718	20.384	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9001	18.740	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	86035	19.988	ug/l	92
94) Hexachlorobutadiene	14.19	225	55596	20.280	ug/l	94
95) Naphthalene	14.46	128	152192	19.363	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	77113	19.379	ug/l	96

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

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