

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062677.D
 Acq On : 21 May 2019 12:11
 Operator : FY/SY
 Sample : VF0521SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:20:53 PM

Quant Time: May 22 04:06:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	742076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1250825	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	933873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	425866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	270082	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	4.31	113	502625	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	7.71	98	1110271	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.49	95	375851	43.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	194536	19.264	ug/l	97
3) Chloromethane	1.14	50	190101	20.444	ug/l	96
4) Vinyl Chloride	1.18	62	175052	20.452	ug/l	98
5) Bromomethane	1.39	94	86712	18.518	ug/l	90
6) Chloroethane	1.44	64	59830	19.033	ug/l	94
7) Trichlorofluoromethane	1.56	101	242729	21.120	ug/l	93
8) Diethyl Ether	1.72	74	46306	20.339	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	157795	21.563	ug/l	92
10) Methyl Iodide	1.98	142	315155	21.923	ug/l	98
11) Tert butyl alcohol	2.71	59	32437	93.693	ug/l	95
12) 1,1-Dichloroethene	1.87	96	140108	21.017	ug/l	98
13) Acrolein	2.10	56	33725	93.321	ug/l	94
14) Allyl chloride	2.20	41	128280m	21.262	ug/l	
15) Acrylonitrile	3.11	53	114295	117.036	ug/l	96
16) Acetone	2.36	43	121685	89.446	ug/l	98
17) Carbon Disulfide	1.91	76	402180	20.355	ug/l #	93
18) Methyl Acetate	2.47	43	51560	24.118	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	263737	22.131	ug/l	98
20) Methylene Chloride	2.34	84	145450m	21.330	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	146096	22.422	ug/l	89
22) Diisopropyl ether	2.94	45	329505	22.143	ug/l	97
23) Vinyl Acetate	3.35	43	1055517	105.152	ug/l	99
24) 1,1-Dichloroethane	3.02	63	232873	21.332	ug/l	99
25) 2-Butanone	4.53	43	283695	97.605	ug/l	99
26) 2,2-Dichloropropane	3.78	77	146330	23.428	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	243252	22.696	ug/l	91
28) Bromochloromethane	3.90	49	118763	19.398	ug/l	93
29) Tetrahydrofuran	4.28	42	126105	107.216	ug/l	96
30) Chloroform	4.05	83	336021	22.170	ug/l	95
31) Cyclohexane	3.88	56	303073	20.677	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	217509	21.609	ug/l	96
36) 1,1-Dichloropropene	4.48	75	270287	21.088	ug/l	97
37) Ethyl Acetate	4.32	43	97262	18.585	ug/l #	65
38) Carbon Tetrachloride	4.18	117	195280	20.258	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	330289	21.416	ug/l	94
40) Benzene	4.82	78	753085	21.568	ug/l	99
41) Methacrylonitrile	4.94	41	54617	19.907	ug/l	96
42) 1,2-Dichloroethane	5.14	62	146065	20.977	ug/l	91
43) Isopropyl Acetate	7.12	43	115005	16.963	ug/l #	88
44) Trichloroethene	5.69	130	217106	22.123	ug/l	85
45) 1,2-Dichloropropane	6.41	63	183794	20.852	ug/l	97
46) Dibromomethane	6.27	93	108409	21.281	ug/l	99
47) Bromodichloromethane	6.56	83	231094	21.852	ug/l	96
48) Methyl methacrylate	6.88	41	64108	18.091	ug/l	97
49) 1,4-Dioxane	6.87	88	19962	439.811	ug/l #	90
51) 4-Methyl-2-Pentanone	8.40	43	448531	96.785	ug/l	94
52) Toluene	7.78	92	364530	19.906	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	171661	19.841	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	257551	21.266	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	113974	21.021	ug/l	96
56) Ethyl methacrylate	8.75	69	117917	18.254	ug/l	90
57) 1,3-Dichloropropane	9.00	76	187035	20.252	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	204474	97.248	ug/l	99
59) 2-Hexanone	9.62	43	293346	85.567	ug/l	94
60) Dibromochloromethane	8.86	129	151808	21.482	ug/l	97
61) 1,2-Dibromoethane	9.13	107	121300	21.063	ug/l	98
64) Tetrachloroethene	8.30	164	158969	21.487	ug/l	95
65) Chlorobenzene	9.94	112	390447	21.287	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	159531	21.665	ug/l	99
67) Ethyl Benzene	10.04	91	663747	20.830	ug/l	95
68) m/p-Xylenes	10.26	106	479702	40.055	ug/l	83
69) o-Xylene	10.81	106	259025	20.999	ug/l	95
70) Styrene	10.89	104	370276	19.749	ug/l	98
71) Bromoform	10.88	173	74980	20.332	ug/l #	97
73) Isopropylbenzene	11.22	105	707529	23.181	ug/l	97
74) N-amyl acetate	11.45	43	168307	18.245	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	132863	21.300	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	83641	20.407	ug/l	93
77) Bromobenzene	11.58	156	163347	21.530	ug/l	90
78) n-propylbenzene	11.67	91	758290	20.992	ug/l	93
79) 2-Chlorotoluene	11.80	91	427875	21.018	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	547939	22.388	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	38040m	20.880	ug/l	
82) 4-Chlorotoluene	11.97	91	425559	21.198	ug/l	94
83) tert-Butylbenzene	12.19	119	556850	22.426	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	509277	21.499	ug/l	98
85) sec-Butylbenzene	12.37	105	721693	21.658	ug/l	96
86) p-Isopropyltoluene	12.52	119	599074	21.332	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	287202	20.923	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	274813	21.335	ug/l	97
89) n-Butylbenzene	12.89	91	623930	22.534	ug/l	90
90) Hexachloroethane	12.97	117	148999	22.117	ug/l	79
91) 1,2-Dichlorobenzene	12.99	146	277114	22.648	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17511	23.532	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	197504	22.551	ug/l	98
94) Hexachlorobutadiene	14.22	225	132668	21.706	ug/l	95
95) Naphthalene	14.49	128	310662	19.525	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	192525	23.207	ug/l	95

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

