

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062654.D
 Acq On : 20 May 2019 12:13
 Operator : FY/SY
 Sample : VF0520SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

Quant Time: May 20 14:45:08 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	5.07	168	932309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1496517	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1112522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	555683	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	275990	41.89	ug/l	0.01
Spiked Amount			Recovery	=	83.78%	
35) Dibromofluoromethane	4.33	113	502222	43.86	ug/l	0.01
Spiked Amount			Recovery	=	87.72%	
50) Toluene-d8	7.72	98	1191673	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	
62) 4-Bromofluorobenzene	11.50	95	462429	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	235925	18.595	ug/l	98
3) Chloromethane	1.14	50	242248	20.736	ug/l	92
4) Vinyl Chloride	1.19	62	226221	21.037	ug/l	94
5) Bromomethane	1.38	94	105946	18.009	ug/l	87
6) Chloroethane	1.44	64	72161	18.272	ug/l	97
7) Trichlorofluoromethane	1.55	101	285286	19.758	ug/l	94
8) Diethyl Ether	1.72	74	61613	21.540	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	181354	19.725	ug/l	98
10) Methyl Iodide	1.97	142	361476	20.015	ug/l	99
11) Tert butyl alcohol	2.70	59	46986	108.025	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	174442	20.828	ug/l	96
13) Acrolein	2.11	56	45131	99.401	ug/l	98
14) Allyl chloride	2.21	41	216180	28.520	ug/l	95
15) Acrylonitrile	3.10	53	124814	101.728	ug/l	97
16) Acetone	2.36	43	162976	95.353	ug/l	95
17) Carbon Disulfide	1.89	76	523563	21.091	ug/l	97
18) Methyl Acetate	2.48	43	61065	22.736	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	334929	22.370	ug/l	96
20) Methylene Chloride	2.30	84	194137	22.661	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	181357	22.154	ug/l	97
22) Diisopropyl ether	2.95	45	426018	22.788	ug/l	99
23) Vinyl Acetate	3.35	43	1385348	109.850	ug/l	97
24) 1,1-Dichloroethane	3.03	63	294496	21.473	ug/l	99
25) 2-Butanone	4.54	43	366926	100.482	ug/l	96
26) 2,2-Dichloropropane	3.79	77	191606	24.417	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	290782	21.595	ug/l	99
28) Bromochloromethane	3.92	49	151428	19.687	ug/l	98
29) Tetrahydrofuran	4.28	42	165949	112.302	ug/l	97
30) Chloroform	4.06	83	422668	22.197	ug/l	94
31) Cyclohexane	3.89	56	394959	21.448	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	281322	22.246	ug/l	97
36) 1,1-Dichloropropene	4.49	75	314851	20.532	ug/l	94
37) Ethyl Acetate	4.32	43	134905	21.546	ug/l	92
38) Carbon Tetrachloride	4.20	117	275104	23.854	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	413028	22.385	ug/l	92
40) Benzene	4.84	78	899257	21.526	ug/l	99
41) Methacrylonitrile	4.95	41	76755	23.383	ug/l #	94
42) 1,2-Dichloroethane	5.15	62	170043	20.411	ug/l	95
43) Isopropyl Acetate	7.13	43	172901	21.315	ug/l	99
44) Trichloroethene	5.70	130	252810	21.532	ug/l	88
45) 1,2-Dichloropropane	6.43	63	203484	19.295	ug/l	97
46) Dibromomethane	6.27	93	135209	22.185	ug/l	93
47) Bromodichloromethane	6.57	83	282097	22.296	ug/l	98
48) Methyl methacrylate	6.89	41	96655	22.797	ug/l	93
49) 1,4-Dioxane	6.89	88	21904	403.367	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	614925	110.906	ug/l	97
52) Toluene	7.79	92	471916	21.540	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	239978	23.183	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	331624	22.886	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	147328	22.711	ug/l	95
56) Ethyl methacrylate	8.76	69	170199	22.022	ug/l	95
57) 1,3-Dichloropropane	9.01	76	245458	22.215	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	255590	101.601	ug/l	95
59) 2-Hexanone	9.63	43	408896	102.858	ug/l	98
60) Dibromochloromethane	8.87	129	189615	22.427	ug/l	96
61) 1,2-Dibromoethane	9.14	107	153032	22.210	ug/l	97
64) Tetrachloroethene	8.32	164	194546	22.073	ug/l	95
65) Chlorobenzene	9.95	112	480195	21.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	204376	23.299	ug/l	97
67) Ethyl Benzene	10.05	91	856436	22.562	ug/l	99
68) m/p-Xylenes	10.27	106	617008	43.247	ug/l	84
69) o-Xylene	10.82	106	320189	21.789	ug/l	94
70) Styrene	10.90	104	479933	21.487	ug/l	98
71) Bromoform	10.88	173	101318	23.062	ug/l #	96
73) Isopropylbenzene	11.22	105	893806	22.442	ug/l	94
74) N-amyl acetate	11.45	43	245164	21.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	187150	22.994	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	122347	22.877	ug/l	96
77) Bromobenzene	11.59	156	224824	22.710	ug/l	90
78) n-propylbenzene	11.68	91	1075885	22.826	ug/l	95
79) 2-Chlorotoluene	11.80	91	620097	23.345	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	722331	22.619	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	52561m	22.111	ug/l	
82) 4-Chlorotoluene	11.98	91	546016	20.845	ug/l	97
83) tert-Butylbenzene	12.20	119	724642	22.366	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	698906	22.612	ug/l	93
85) sec-Butylbenzene	12.37	105	938416	21.582	ug/l	95
86) p-Isopropyltoluene	12.53	119	798051	21.779	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	389505	21.747	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	363039	21.600	ug/l	99
89) n-Butylbenzene	12.90	91	877035	24.275	ug/l	94
90) Hexachloroethane	12.98	117	213822	24.325	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	386656	24.218	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	23384	24.083	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	246942	21.609	ug/l	97
94) Hexachlorobutadiene	14.23	225	167167	20.961	ug/l	96
95) Naphthalene	14.50	128	421749	20.314	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	240169	22.187	ug/l	94

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

