

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062741.D
 Acq On : 24 May 2019 12:24
 Operator : FY/SY
 Sample : VF0524SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBS01

Quant Time: May 24 23:16:56 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	278455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	463465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	328189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	157278	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	83496	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	
35) Dibromofluoromethane	4.32	113	159852	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
50) Toluene-d8	7.72	98	372871	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	
62) 4-Bromofluorobenzene	11.50	95	134198	41.79	ug/l	0.00
Spiked Amount			Recovery	=	83.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	84133	22.202	ug/l	99
3) Chloromethane	1.13	50	75030	21.504	ug/l	100
4) Vinyl Chloride	1.18	62	73418	22.859	ug/l	94
5) Bromomethane	1.37	94	39834	22.671	ug/l	83
6) Chloroethane	1.43	64	31056	26.328	ug/l #	86
7) Trichlorofluoromethane	1.54	101	119980	27.822	ug/l	91
8) Diethyl Ether	1.72	74	17705	20.724	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	68894	25.089	ug/l	96
10) Methyl Iodide	1.97	142	118905	22.043	ug/l	96
11) Tert butyl alcohol	2.71	59	12614	97.099	ug/l #	79
12) 1,1-Dichloroethene	1.85	96	59173	23.656	ug/l	99
13) Acrolein	2.10	56	12327	90.903	ug/l	96
14) Allyl chloride	2.21	41	62415	27.569	ug/l	96
15) Acrylonitrile	3.10	53	34778	94.905	ug/l	97
16) Acetone	2.36	43	52379m	102.606	ug/l	
17) Carbon Disulfide	1.89	76	185431	25.010	ug/l	99
18) Methyl Acetate	2.46	43	18604	23.191	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	86466	19.336	ug/l	96
20) Methylene Chloride	2.31	84	55550	21.710	ug/l	90
21) trans-1,2-Dichloroethene	2.43	96	58293	23.842	ug/l	92
22) Diisopropyl ether	2.95	45	107730	19.294	ug/l	98
23) Vinyl Acetate	3.36	43	306718	81.430	ug/l	96
24) 1,1-Dichloroethane	3.03	63	93081	22.724	ug/l	97
25) 2-Butanone	4.53	43	130188	119.368	ug/l	99
26) 2,2-Dichloropropane	3.79	77	75058	32.025	ug/l	87
27) cis-1,2-Dichloroethene	3.66	96	87084	21.653	ug/l	97
28) Bromochloromethane	3.91	49	45037	19.604	ug/l	87
29) Tetrahydrofuran	4.29	42	37735	85.500	ug/l	96
30) Chloroform	4.06	83	121582	21.378	ug/l	97
31) Cyclohexane	3.90	56	127285	23.143	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	101902	26.980	ug/l	96
36) 1,1-Dichloropropene	4.49	75	104436	21.991	ug/l	94
37) Ethyl Acetate	4.31	43	30234	15.592	ug/l #	35
38) Carbon Tetrachloride	4.20	117	92940	26.021	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	138979	24.321	ug/l	99
40) Benzene	4.84	78	280112	21.651	ug/l	100
41) Methacrylonitrile	4.95	41	18053	17.758	ug/l #	93
42) 1,2-Dichloroethane	5.15	62	46751	18.121	ug/l	88
43) Isopropyl Acetate	7.13	43	40731	16.214	ug/l #	97
44) Trichloroethene	5.70	130	86025	23.658	ug/l	99
45) 1,2-Dichloropropane	6.42	63	66266	20.290	ug/l	92
46) Dibromomethane	6.27	93	37376	19.802	ug/l #	79
47) Bromodichloromethane	6.56	83	75123	19.172	ug/l #	98
48) Methyl methacrylate	6.89	41	20167	15.359	ug/l #	80
49) 1,4-Dioxane	6.89	88	6889	409.636	ug/l #	81
51) 4-Methyl-2-Pentanone	8.41	43	137903	80.310	ug/l	91
52) Toluene	7.79	92	136709	20.148	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	59254	18.484	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	81783	18.225	ug/l #	92
55) 1,1,2-Trichloroethane	8.64	97	38438	19.133	ug/l	96
56) Ethyl methacrylate	8.76	69	36068	15.069	ug/l	98
57) 1,3-Dichloropropane	9.01	76	62398	18.235	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	34946	44.856	ug/l	95
59) 2-Hexanone	9.63	43	95431	72.785	ug/l	96
60) Dibromochloromethane	8.87	129	46946	17.929	ug/l	90
61) 1,2-Dibromoethane	9.14	107	39296	18.415	ug/l	96
64) Tetrachloroethene	8.32	164	61293	23.574	ug/l	93
65) Chlorobenzene	9.94	112	144298	22.386	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	57151	22.086	ug/l	92
67) Ethyl Benzene	10.03	91	257929	23.033	ug/l	93
68) m/p-Xylenes	10.27	106	186542	44.323	ug/l	78
69) o-Xylene	10.82	106	91109	21.017	ug/l	90
70) Styrene	10.90	104	133140	20.207	ug/l	97
71) Bromoform	10.88	173	25256	19.487	ug/l #	92
73) Isopropylbenzene	11.22	105	261033	23.157	ug/l	94
74) N-amyl acetate	11.45	43	49536	13.311	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.77	83	49395	21.442	ug/l	91
76) 1,2,3-Trichloropropane	11.88	75	30139	19.911	ug/l	87
77) Bromobenzene	11.58	156	58950	21.039	ug/l	90
78) n-propylbenzene	11.68	91	333791	25.021	ug/l	93
79) 2-Chlorotoluene	11.80	91	173885	23.128	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	220679	24.415	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	14618m	21.726	ug/l	
82) 4-Chlorotoluene	11.98	91	173050	23.341	ug/l	95
83) tert-Butylbenzene	12.20	119	222407	24.253	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	212959	24.343	ug/l	89
85) sec-Butylbenzene	12.37	105	307729	25.005	ug/l	93
86) p-Isopropyltoluene	12.52	119	247134	23.828	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	114232	22.534	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	110334	23.193	ug/l	97
89) n-Butylbenzene	12.90	91	267170	26.127	ug/l	91
90) Hexachloroethane	12.98	117	57862	23.257	ug/l	73
91) 1,2-Dichlorobenzene	13.00	146	98911	21.889	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	6209	22.593	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	63571	19.654	ug/l	98
94) Hexachlorobutadiene	14.23	225	51930	23.006	ug/l	95
95) Naphthalene	14.50	128	76791	13.068	ug/l	97
96) 1,2,3-Trichlorobenzene	14.64	180	54675	17.846	ug/l	98

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

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