

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062778.D
 Acq On : 29 May 2019 13:09
 Operator : FY/SY
 Sample : K3065-09RE
 Misc : 4.99g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-13-1.5-2.0RE

Quant Time: May 30 08:38:05 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	4.95	168	155	50.00	ug/l	-0.12
34) 1,4-Difluorobenzene	5.71	114	222	50.00	ug/l	-0.08
63) Chlorobenzene-d5	9.79	117	87	50.00	ug/l	-0.13
72) 1,4-Dichlorobenzene-d4	12.47	152	100	50.00	ug/l	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.91	65	80	73.04	ug/l	-0.13
Spiked Amount				50.000		
			Recovery	=	146.08%	
35) Dibromofluoromethane	4.25	113	109	64.16	ug/l	-0.07
Spiked Amount				50.000		
			Recovery	=	128.32%	
50) Toluene-d8	7.61	98	190	46.84	ug/l	-0.11
Spiked Amount				50.000		
			Recovery	=	93.68%	
62) 4-Bromofluorobenzene	11.34	95	170	110.51	ug/l	-0.17
Spiked Amount				50.000		
			Recovery	=	221.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	217	102.877	ug/l #	41
3) Chloromethane	1.10	50	621	319.736	ug/l #	84
4) Vinyl Chloride	1.19	62	158	88.377	ug/l	90
5) Bromomethane	1.37	94	752	768.884	ug/l #	44
6) Chloroethane	1.39	64	187	284.801	ug/l #	1
7) Trichlorofluoromethane	1.52	101	63	26.245	ug/l #	1
8) Diethyl Ether	1.67	74	154	323.832	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	1.87	101	133	87.012	ug/l #	26
10) Methyl Iodide	1.93	142	74	24.645	ug/l #	1
11) Tert butyl alcohol	2.66	59	286	3955.027	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	1186	851.763	ug/l #	1
13) Acrolein	1.99	56	689	9127.699	ug/l	95
14) Allyl chloride	2.14	41	406	322.169	ug/l #	61
15) Acrylonitrile	3.01	53	309	1514.836	ug/l #	14
16) Acetone	2.33	43	816	2871.645	ug/l #	53
17) Carbon Disulfide	1.88	76	461	111.702	ug/l #	6
18) Methyl Acetate	2.54	43	1298	2906.825	ug/l	100
19) Methyl tert-butyl Ether	2.49	73	408	163.912	ug/l #	1
20) Methylene Chloride	2.28	84	449	315.237	ug/l #	7
21) trans-1,2-Dichloroethene	2.38	96	1147	842.783	ug/l #	11
22) Diisopropyl ether	2.86	45	1291	415.361	ug/l #	65
23) Vinyl Acetate	3.24	43	1377	656.754	ug/l #	73
24) 1,1-Dichloroethane	2.95	63	361	158.324	ug/l #	86
25) 2-Butanone	4.44	43	351	578.157	ug/l #	50
26) 2,2-Dichloropropane	3.77	77	899	689.093	ug/l	77
27) cis-1,2-Dichloroethene	3.55	96	501	223.795	ug/l	1
28) Bromochloromethane	3.86	49	390	304.972	ug/l #	3
29) Tetrahydrofuran	4.19	42	1535	6248.143	ug/l #	55
30) Chloroform	3.90	83	241	76.127	ug/l	94
31) Cyclohexane	3.77	56	358	116.934	ug/l #	28
32) 1,1,1-Trichloroethane	4.22	97	87	41.380	ug/l #	1
36) 1,1-Dichloropropene	4.43	75	233	102.426	ug/l #	1
37) Ethyl Acetate	4.29	43	2237	2408.457	ug/l #	9
38) Carbon Tetrachloride	4.18	117	490	286.410	ug/l #	33

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.57	83	230	84.028	ug/l #	81
40) Benzene	4.81	78	570	91.977	ug/l #	1
41) Methacrylonitrile	4.89	41	1075	2207.621	ug/l #	64
42) 1,2-Dichloroethane	5.08	62	181	146.461	ug/l #	71
43) Isopropyl Acetate	6.98	43	496	412.197	ug/l #	41
44) Trichloroethene	5.56	130	256	146.978	ug/l #	1
45) 1,2-Dichloropropane	6.31	63	111	70.954	ug/l #	42
46) Dibromomethane	6.16	93	63	69.682	ug/l #	3
47) Bromodichloromethane	6.48	83	204	108.688	ug/l #	25
48) Methyl methacrylate	6.83	41	1026	1631.293	ug/l #	2
49) 1,4-Dioxane	6.80	88	584	72496.759	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	1280	1556.216	ug/l #	84
52) Toluene	7.70	92	112	34.460	ug/l #	1
53) t-1,3-Dichloropropene	8.33	75	112	72.938	ug/l #	11
54) cis-1,3-Dichloropropene	7.38	75	591	274.946	ug/l #	17
55) 1,1,2-Trichloroethane	8.51	97	218	226.538	ug/l #	36
56) Ethyl methacrylate	8.67	69	251	218.932	ug/l #	1
57) 1,3-Dichloropropane	8.86	76	258	157.403	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.36	63	520	1393.438	ug/l #	51
59) 2-Hexanone	9.42	43	770	1530.172	ug/l #	86
60) Dibromochloromethane	8.79	129	138	110.030	ug/l #	75
61) 1,2-Dibromoethane	9.00	107	80	78.269	ug/l #	3
64) Tetrachloroethene	8.28	164	62	89.955	ug/l #	45
65) Chlorobenzene	9.93	112	85	49.743	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.11	131	340	495.643	ug/l #	40
67) Ethyl Benzene	9.99	91	243	81.860	ug/l #	89
68) m/p-Xylenes	10.29	106	314	281.440	ug/l #	1
69) o-Xylene	10.73	106	116	100.942	ug/l #	61
70) Styrene	10.86	104	301	172.328	ug/l #	1
71) Bromoform	10.88	173	175	509.367	ug/l #	27
73) Isopropylbenzene	11.23	105	455	63.484	ug/l #	45
74) N-amyl acetate	11.45	43	487	293.316	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.78	83	193	131.767	ug/l #	64
76) 1,2,3-Trichloropropane	11.86	75	267	277.430	ug/l #	85
77) Bromobenzene	11.64	156	60	33.679	ug/l #	60
78) n-propylbenzene	11.60	91	581	68.497	ug/l #	80
79) 2-Chlorotoluene	11.81	91	776	162.336	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.91	105	147	25.579	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.96	75	316	738.671	ug/l #	86
82) 4-Chlorotoluene	12.00	91	335	71.066	ug/l #	94
83) tert-Butylbenzene	12.20	119	456	78.208	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.33	105	128	23.012	ug/l #	82
85) sec-Butylbenzene	12.36	105	243	31.055	ug/l #	1
86) p-Isopropyltoluene	12.51	119	384	58.232	ug/l #	46
87) 1,3-Dichlorobenzene	12.58	146	127	39.402	ug/l #	40
88) 1,4-Dichlorobenzene	12.58	146	127	41.988	ug/l #	38
89) n-Butylbenzene	12.91	91	202	31.069	ug/l #	25
90) Hexachloroethane	12.99	117	219	138.441	ug/l #	20
91) 1,2-Dichlorobenzene	13.00	146	60	20.883	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.66	75	485	2775.646	ug/l #	27

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	67	32.579	ug/l #	11
94) Hexachlorobutadiene	14.21	225	224	156.074	ug/l #	16
95) Naphthalene	14.48	128	389	104.117	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.61	180	151	77.515	ug/l #	65

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

