

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062611.D
 Acq On : 15 May 2019 16:20
 Operator : FY/SY
 Sample : K2779-03RE
 Misc : 7.14g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050RE

Quant Time: May 16 03:29:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	592	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.81	114	154	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	122	50.00	ug/l	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	648	144.89	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	289.78%	
35) Dibromofluoromethane	4.32	113	111	96.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	193.68%	
50) Toluene-d8	7.79	98	153	56.65	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	113.30%	
62) 4-Bromofluorobenzene	11.50	95	245	259.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	519.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	237	43.727	ug/l	83
3) Chloromethane	1.15	50	115	17.034	ug/l #	1
4) Vinyl Chloride	1.27	62	727	108.196	ug/l	93
5) Bromomethane	1.41	94	876	Below Cal		88
6) Chloroethane	1.47	64	496	194.380	ug/l #	84
7) Trichlorofluoromethane	1.57	101	383	41.601	ug/l #	51
8) Diethyl Ether	1.61	74	195	94.489	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.92	101	66	10.510	ug/l #	23
10) Methyl Iodide	2.01	142	159	14.216	ug/l #	36
11) Tert butyl alcohol	2.70	59	894	3320.166	ug/l #	73
12) 1,1-Dichloroethene	1.89	96	488	90.715	ug/l #	1
13) Acrolein	2.19	56	591	3311.855	ug/l	98
14) Allyl chloride	2.23	41	1020	185.305	ug/l #	55
15) Acrylonitrile	3.10	53	119	123.546	ug/l #	17
16) Acetone	2.28	43	1687	1858.966	ug/l	93
17) Carbon Disulfide	1.94	76	283	21.666	ug/l #	1
18) Methyl Acetate	2.35	43	1281	757.645	ug/l	91
19) Methyl tert-butyl Ether	2.54	73	297	31.008	ug/l #	24
20) Methylene Chloride	2.29	84	229	39.145	ug/l #	37
21) trans-1,2-Dichloroethene	2.45	96	491	90.568	ug/l #	10
22) Diisopropyl ether	2.93	45	542	42.349	ug/l #	42
23) Vinyl Acetate	3.37	43	399	56.997	ug/l #	75
24) 1,1-Dichloroethane	3.00	63	132	13.549	ug/l #	86
25) 2-Butanone	4.49	43	1002	488.392	ug/l	96
26) 2,2-Dichloropropane	3.82	77	1023	194.557	ug/l	92
27) cis-1,2-Dichloroethene	3.68	96	867	113.193	ug/l	1
28) Bromochloromethane	3.77	49	310	56.605	ug/l	91
29) Tetrahydrofuran	4.29	42	191	219.997	ug/l #	1
30) Chloroform	4.04	83	890	76.129	ug/l #	20
31) Cyclohexane	3.89	56	604	59.482	ug/l #	54
32) 1,1,1-Trichloroethane	4.31	97	96	12.183	ug/l #	48
36) 1,1-Dichloropropene	4.50	75	351	263.403	ug/l #	62
37) Ethyl Acetate	4.32	43	709	1294.742	ug/l #	23
38) Carbon Tetrachloride	4.28	117	61	55.803	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.66	83	438	280.732	ug/l #	60
40) Benzene	4.86	78	1317	347.400	ug/l	99
41) Methacrylonitrile	4.94	41	1010	3257.055	ug/l #	38
42) 1,2-Dichloroethane	5.18	62	127	157.868	ug/l	71
43) Isopropyl Acetate	7.15	43	930	1435.198	ug/l #	57
44) Trichloroethene	5.68	130	105	102.559	ug/l	3
45) 1,2-Dichloropropane	6.46	63	369	386.697	ug/l #	42
46) Dibromomethane	6.32	93	74	138.707	ug/l #	5
47) Bromodichloromethane	6.60	83	129	112.478	ug/l #	22
48) Methyl methacrylate	6.89	41	476	1342.007	ug/l #	37
49) 1,4-Dioxane	6.88	88	276	59049.517	ug/l #	1
51) 4-Methyl-2-Pentanone	8.45	43	1041	2192.478	ug/l #	34
52) Toluene	7.83	92	296	155.542	ug/l #	1
53) t-1,3-Dichloropropene	8.47	75	550	607.025	ug/l #	78
54) cis-1,3-Dichloropropene	7.46	75	797	622.469	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	457	802.049	ug/l #	14
56) Ethyl methacrylate	8.76	69	538	861.495	ug/l #	74
57) 1,3-Dichloropropane	9.05	76	244	259.455	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.46	63	258	1320.383	ug/l #	43
59) 2-Hexanone	9.49	43	201	640.979	ug/l	62
60) Dibromochloromethane	8.96	129	481	664.418	ug/l	61
61) 1,2-Dibromoethane	9.13	107	70	122.490	ug/l #	54
64) Tetrachloroethene	8.32	164	96	101.594	ug/l #	21
65) Chlorobenzene	9.98	112	64	25.743	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.21	131	159	155.709	ug/l	73
67) Ethyl Benzene	10.03	91	174	39.393	ug/l #	1
68) m/p-Xylenes	10.32	106	83	53.016	ug/l #	43
69) o-Xylene	10.77	106	199	121.171	ug/l	41
70) Styrene	10.92	104	66	26.448	ug/l #	1
71) Bromoform	10.85	173	338	703.001	ug/l	82
73) Isopropylbenzene	11.25	105	284	34.622	ug/l #	48
74) N-amyl acetate	11.46	43	792	397.637	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.81	83	451	268.374	ug/l #	25
76) 1,2,3-Trichloropropane	11.98	75	323	299.813	ug/l	81
77) Bromobenzene	11.62	156	177	95.484	ug/l #	46
78) n-propylbenzene	11.72	91	216	22.138	ug/l #	1
79) 2-Chlorotoluene	11.77	91	265	49.214	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.89	105	151	23.516	ug/l #	25
81) trans-1,4-Dichloro-2-buten	11.94	75	281	611.944	ug/l #	1
82) 4-Chlorotoluene	11.99	91	489	92.877	ug/l #	40
83) tert-Butylbenzene	12.22	119	506	75.335	ug/l	74
84) 1,2,4-Trimethylbenzene	12.41	105	162	25.684	ug/l	65
85) sec-Butylbenzene	12.41	105	162	17.765	ug/l #	1
86) p-Isopropyltoluene	12.54	119	114	15.187	ug/l #	51
87) 1,3-Dichlorobenzene	12.55	146	102	28.133	ug/l #	23
88) 1,4-Dichlorobenzene	12.63	146	263	77.327	ug/l #	23
89) n-Butylbenzene	12.92	91	60	7.853	ug/l #	1
90) Hexachloroethane	12.96	117	63	32.765	ug/l #	21
91) 1,2-Dichlorobenzene	13.01	146	69	21.452	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.68	75	130	629.779	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	171	76.452	ug/l #	12
94) Hexachlorobutadiene	14.28	225	143	88.011	ug/l #	19
95) Naphthalene	14.50	128	83	22.799	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.75	180	71	34.217	ug/l #	81

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

