

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062818.D
 Acq On : 31 May 2019 19:34
 Operator : FY/SY
 Sample : K2641-21
 Misc : 6.33q/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-053119-E

Quant Time: Jun 01 00:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	10556	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.81	114	9179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	3004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	86	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.09	65	1023	14.01	ug/l	0.03
Spiked Amount	50.000		Recovery	=	28.02%	
35) Dibromofluoromethane	4.32	113	2611	37.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	75.28%	
50) Toluene-d8	7.73	98	3873	22.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.16%	
62) 4-Bromofluorobenzene	11.49	95	353	5.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	11.18%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.94	85	285	Below Cal	94
3) Chloromethane	1.11	50	530	4.852 ug/l	91
4) Vinyl Chloride	1.21	62	189	1.741 ug/l #	42
5) Bromomethane	1.42	94	452	7.302 ug/l	87
6) Chloroethane	1.45	64	92	2.267 ug/l #	36
7) Trichlorofluoromethane	1.46	101	192	1.250 ug/l	96
8) Diethyl Ether	1.82	74	312	10.321 ug/l	64
10) Methyl Iodide	2.06	142	212	1.094 ug/l #	1
11) Tert butyl alcohol	2.73	59	327	73.949 ug/l #	1
12) 1,1-Dichloroethene	1.89	96	697	7.946 ug/l #	1
13) Acrolein	2.04	56	1052	607.202 ug/l	83
14) Allyl chloride	2.37	41	637	9.360 ug/l	90
15) Acrylonitrile	3.14	53	371	22.328 ug/l #	36
16) Acetone	2.36	43	353	21.129 ug/l #	52
17) Carbon Disulfide	1.94	76	309	1.205 ug/l #	69
18) Methyl Acetate	2.43	43	1622	55.557 ug/l	96
19) Methyl tert-butyl Ether	2.56	73	1444	9.086 ug/l #	1
20) Methylene Chloride	2.36	84	220	Below Cal #	34
21) trans-1,2-Dichloroethene	2.48	96	821	9.334 ug/l #	1
22) Diisopropyl ether	2.97	45	732	3.786 ug/l #	48
23) Vinyl Acetate	3.37	43	887	6.701 ug/l #	73
24) 1,1-Dichloroethane	3.04	63	306	2.120 ug/l #	88
25) 2-Butanone	4.47	43	1459	37.500 ug/l	100
26) 2,2-Dichloropropane	3.81	77	1040	12.688 ug/l #	50
28) Bromochloromethane	3.95	49	91	1.159 ug/l #	3
29) Tetrahydrofuran	4.10	42	448	30.106 ug/l	93
31) Cyclohexane	3.89	56	1369	7.005 ug/l #	34
32) 1,1,1-Trichloroethane	4.33	97	144	1.216 ug/l #	50
36) 1,1-Dichloropropene	4.50	75	237	2.805 ug/l #	12
37) Ethyl Acetate	4.36	43	936	28.977 ug/l #	38
38) Carbon Tetrachloride	4.21	117	273	4.780 ug/l #	19
39) Methylcyclohexane	5.65	83	1906	18.123 ug/l #	46
40) Benzene	4.84	78	315	1.281 ug/l #	1
41) Methacrylonitrile	4.97	41	884	49.228 ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.19	62	569	12.165	ug/l	69
43) Isopropyl Acetate	7.12	43	673	15.772	ug/l #	78
44) Trichloroethene	5.72	130	300	4.322	ug/l	3
45) 1,2-Dichloropropane	6.43	63	270	4.375	ug/l #	1
46) Dibromomethane	6.30	93	97	2.692	ug/l #	29
47) Bromodichloromethane	6.61	83	284	3.870	ug/l #	75
48) Methyl methacrylate	6.92	41	737	33.514	ug/l #	29
49) 1,4-Dioxane	6.91	88	230	793.466	ug/l #	36
51) 4-Methyl-2-Pentanone	8.41	43	612	20.089	ug/l #	66
52) Toluene	7.85	92	156	1.178	ug/l #	1
53) t-1,3-Dichloropropene	8.48	75	344	5.657	ug/l	90
54) cis-1,3-Dichloropropene	7.46	75	237	2.693	ug/l #	1
55) 1,1,2-Trichloroethane	8.68	97	213	5.383	ug/l #	65
56) Ethyl methacrylate	8.78	69	1710	40.273	ug/l #	61
57) 1,3-Dichloropropane	9.03	76	205	3.172	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.48	63	121	8.154	ug/l #	51
59) 2-Hexanone	9.50	43	596	27.448	ug/l	66
60) Dibromochloromethane	8.78	129	104	2.123	ug/l	98
61) 1,2-Dibromoethane	9.16	107	410	9.976	ug/l #	46
64) Tetrachloroethene	8.32	164	76	3.292	ug/l #	1
65) Chlorobenzene	9.94	112	136	2.344	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.13	131	172	7.445	ug/l	92
67) Ethyl Benzene	10.06	91	348	3.496	ug/l #	68
68) m/p-Xylenes	10.28	106	150	3.938	ug/l	91
69) o-Xylene	10.77	106	60	1.556	ug/l	46
70) Styrene	10.91	104	169	2.973	ug/l #	34
71) Bromoform	10.88	173	79	7.128	ug/l #	28
73) Isopropylbenzene	11.24	105	165	27.497	ug/l #	44
74) N-amyl acetate	11.47	43	983	581.222	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.78	83	354	276.246	ug/l #	4
76) 1,2,3-Trichloropropane	11.93	75	588	692.228	ug/l	73
77) Bromobenzene	11.71	156	245	162.495	ug/l	84
78) n-propylbenzene	11.67	91	59	8.143	ug/l #	1
79) 2-Chlorotoluene	11.80	91	215	51.860	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.93	105	129	26.287	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.97	75	464	1290.242	ug/l #	60
82) 4-Chlorotoluene	12.03	91	61	14.972	ug/l #	37
83) tert-Butylbenzene	12.24	119	636	130.796	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.36	105	258	55.450	ug/l	82
85) sec-Butylbenzene	12.36	105	258	40.266	ug/l #	55
86) p-Isopropyltoluene	12.60	119	254	47.626	ug/l	83
87) 1,3-Dichlorobenzene	12.51	146	80	30.086	ug/l #	23
88) 1,4-Dichlorobenzene	12.66	146	206	83.013	ug/l #	23
89) n-Butylbenzene	12.93	91	141	26.282	ug/l #	24
90) Hexachloroethane	12.82	117	111	85.335	ug/l	73
91) 1,2-Dichlorobenzene	13.00	146	61	26.100	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	746	5343.382	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.20	180	61	38.013	ug/l #	20
94) Hexachlorobutadiene	14.21	225	200	180.154	ug/l #	19
95) Naphthalene	14.52	128	105	39.939	ug/l #	25

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96) 1,2,3-Trichlorobenzene	14.70	180	110	75.094	ug/l #	11

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

