

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062848.D
 Acq On : 4 Jun 2019 19:33
 Operator : FY/SY
 Sample : K3182-01
 Misc : 5.08g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-06-2.5-3.0

Quant Time: Jun 05 05:23:50 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	5.08	168	1056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.00	114	62	50.00	ug/l	0.20
63) Chlorobenzene-d5	10.29	117	93	50.00	ug/l	0.36
72) 1,4-Dichlorobenzene-d4	12.64	152	160	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	748	102.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.86%	
35) Dibromofluoromethane	4.48	113	287	612.59	ug/l	0.14
Spiked Amount	50.000		Recovery	=	1225.18%	
50) Toluene-d8	7.98	98	160	135.05	ug/l	0.25
Spiked Amount	50.000		Recovery	=	270.10%	
62) 4-Bromofluorobenzene	11.91	95	403	945.64	ug/l	0.40
Spiked Amount	50.000		Recovery	=	1891.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	77	2.339	ug/l #	39
3) Chloromethane	1.17	50	681	62.325	ug/l	95
4) Vinyl Chloride	1.18	62	667	61.429	ug/l #	42
5) Bromomethane	1.37	94	404	65.242	ug/l	97
6) Chloroethane	1.46	64	725	178.585	ug/l #	87
7) Trichlorofluoromethane	1.61	101	353	22.965	ug/l #	16
8) Diethyl Ether	1.69	74	224	74.069	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.95	101	177	18.315	ug/l #	40
10) Methyl Iodide	2.03	142	67	3.458	ug/l #	36
11) Tert butyl alcohol	2.73	59	310	700.776	ug/l #	6
12) 1,1-Dichloroethene	1.86	96	777	88.543	ug/l #	1
13) Acrolein	2.15	56	218	1266.856	ug/l #	1
14) Allyl chloride	2.21	41	436	64.043	ug/l #	32
15) Acrylonitrile	3.14	53	364	218.983	ug/l #	58
16) Acetone	2.34	43	519	310.530	ug/l	99
17) Carbon Disulfide	1.88	76	258	10.059	ug/l #	34
18) Methyl Acetate	2.43	43	701	240.016	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	967	60.823	ug/l #	76
20) Methylene Chloride	2.36	84	315	36.852	ug/l #	66
21) trans-1,2-Dichloroethene	2.43	96	1219	138.543	ug/l #	24
22) Diisopropyl ether	2.94	45	768	39.707	ug/l #	1
23) Vinyl Acetate	3.38	43	859	64.871	ug/l #	73
24) 1,1-Dichloroethane	3.05	63	580	40.162	ug/l #	62
25) 2-Butanone	4.51	43	627	161.093	ug/l #	48
26) 2,2-Dichloropropane	3.70	77	521	63.537	ug/l	92
27) cis-1,2-Dichloroethene	3.71	96	354	23.935	ug/l	5
28) Bromochloromethane	3.94	49	158	20.113	ug/l #	3
29) Tetrahydrofuran	4.29	42	652	437.983	ug/l #	49
30) Chloroform	4.16	83	638	31.346	ug/l	89
31) Cyclohexane	3.88	56	1027	52.527	ug/l #	13
32) 1,1,1-Trichloroethane	4.42	97	168	14.177	ug/l	85
36) 1,1-Dichloropropene	4.70	75	242	423.991	ug/l	81
37) Ethyl Acetate	4.48	43	476	2181.646	ug/l #	63
38) Carbon Tetrachloride	4.33	117	66	171.097	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.84	83	381	536.337	ug/l #	85
40) Benzene	5.02	78	474	285.346	ug/l #	66
41) Methacrylonitrile	5.16	41	586	4831.276	ug/l #	48
42) 1,2-Dichloroethane	5.31	62	297	940.064	ug/l	69
43) Isopropyl Acetate	7.38	43	648	2248.259	ug/l #	81
44) Trichloroethene	5.95	130	60	127.983	ug/l	72
45) 1,2-Dichloropropane	6.67	63	287	688.487	ug/l #	1
46) Dibromomethane	6.49	93	112	460.188	ug/l #	28
47) Bromodichloromethane	6.83	83	519	1047.095	ug/l #	23
48) Methyl methacrylate	7.14	41	994	6691.800	ug/l #	64
49) 1,4-Dioxane	7.10	88	134	68439.830	ug/l #	7
51) 4-Methyl-2-Pentanone	8.71	43	1231	5982.290	ug/l	88
52) Toluene	8.08	92	73	81.591	ug/l #	59
53) t-1,3-Dichloropropene	8.86	75	194	472.336	ug/l	90
54) cis-1,3-Dichloropropene	7.75	75	193	324.625	ug/l #	1
55) 1,1,2-Trichloroethane	8.95	97	170	636.006	ug/l #	18
56) Ethyl methacrylate	9.09	69	273	951.890	ug/l #	1
57) 1,3-Dichloropropane	9.32	76	437	1001.161	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.74	63	90	897.912	ug/l #	51
59) 2-Hexanone	9.86	43	345	2352.233	ug/l	83
60) Dibromochloromethane	9.12	129	78	235.703	ug/l	75
61) 1,2-Dibromoethane	9.46	107	358	1289.629	ug/l #	38
64) Tetrachloroethene	8.30	164	75	104.947	ug/l #	1
65) Chlorobenzene	9.95	112	76	42.317	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.04	131	161	225.093	ug/l	79
67) Ethyl Benzene	10.07	91	140	45.426	ug/l #	42
68) m/p-Xylenes	10.30	106	303	256.919	ug/l #	1
69) o-Xylene	10.81	106	83	69.511	ug/l	40
70) Styrene	10.89	104	63	35.796	ug/l #	1
71) Bromoform	10.92	173	108	314.755	ug/l #	28
73) Isopropylbenzene	11.22	105	273	24.453	ug/l #	44
74) N-amyl acetate	11.47	43	1134	360.396	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.79	83	461	193.362	ug/l #	14
76) 1,2,3-Trichloropropane	11.71	75	457	289.179	ug/l	95
77) Bromobenzene	11.71	156	108	38.501	ug/l	71
78) n-propylbenzene	11.68	91	151	11.202	ug/l #	1
79) 2-Chlorotoluene	11.79	91	277	35.913	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.89	105	253	27.711	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.97	75	502	750.301	ug/l #	83
82) 4-Chlorotoluene	12.08	91	386	50.923	ug/l	76
83) tert-Butylbenzene	12.19	119	466	51.511	ug/l #	15
84) 1,2,4-Trimethylbenzene	12.29	105	72	8.318	ug/l #	24
85) sec-Butylbenzene	12.37	105	310	26.005	ug/l #	55
86) p-Isopropyltoluene	12.55	119	149	15.017	ug/l #	71
87) 1,3-Dichlorobenzene	12.54	146	213	43.056	ug/l #	23
88) 1,4-Dichlorobenzene	12.60	146	70	15.162	ug/l #	23
89) n-Butylbenzene	12.92	91	134	13.425	ug/l #	24
90) Hexachloroethane	13.04	117	128	52.893	ug/l #	10
91) 1,2-Dichlorobenzene	13.01	146	213	48.985	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	98	377.296	ug/l #	52

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	211	70.674	ug/l #	10
94) Hexachlorobutadiene	14.21	225	82	39.701	ug/l #	19
95) Naphthalene	14.52	128	185	37.823	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.69	180	72	26.419	ug/l #	11

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

