

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062849.D
 Acq On : 4 Jun 2019 20:01
 Operator : FY/SY
 Sample : K3182-03
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-05-1.0-1.5

Quant Time: Jun 05 05:24:08 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	1067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	89	50.00	ug/l	0.07
63) Chlorobenzene-d5	10.02	117	390	50.00	ug/l	0.08
72) 1,4-Dichlorobenzene-d4	12.64	152	165	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	303	41.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	82.14%	
35) Dibromofluoromethane	4.41	113	68	101.11	ug/l	0.07
Spiked Amount	50.000		Recovery	=	202.22%	
50) Toluene-d8	7.82	98	169	99.37	ug/l	0.08
Spiked Amount	50.000		Recovery	=	198.74%	
62) 4-Bromofluorobenzene	11.66	95	265	433.18	ug/l	0.15
Spiked Amount	50.000		Recovery	=	866.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.02	85	404	31.905	ug/l #	39
3) Chloromethane	1.14	50	1518	137.496	ug/l #	41
4) Vinyl Chloride	1.20	62	327	29.805	ug/l #	1
5) Bromomethane	1.45	94	528	84.388	ug/l #	67
6) Chloroethane	1.48	64	387	94.344	ug/l #	36
7) Trichlorofluoromethane	1.51	101	250	16.096	ug/l	88
8) Diethyl Ether	1.63	74	441	144.320	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	319	32.669	ug/l #	19
10) Methyl Iodide	2.03	142	370	18.898	ug/l #	36
11) Tert butyl alcohol	2.71	59	439	982.158	ug/l #	2
12) 1,1-Dichloroethene	1.90	96	419	47.255	ug/l #	1
13) Acrolein	2.14	56	1021	5902.886	ug/l	84
14) Allyl chloride	2.21	41	618	89.841	ug/l #	54
15) Acrylonitrile	3.11	53	287	170.880	ug/l #	6
16) Acetone	2.30	43	598	354.109	ug/l	92
17) Carbon Disulfide	1.95	76	399	15.396	ug/l #	69
18) Methyl Acetate	2.46	43	219	74.210	ug/l #	47
19) Methyl tert-butyl Ether	2.71	73	496	30.876	ug/l	95
20) Methylene Chloride	2.42	84	859	104.854	ug/l #	1
21) trans-1,2-Dichloroethene	2.47	96	322	36.219	ug/l #	1
22) Diisopropyl ether	2.92	45	1275	65.239	ug/l #	71
23) Vinyl Acetate	3.37	43	957	71.527	ug/l #	73
24) 1,1-Dichloroethane	3.05	63	239	16.379	ug/l #	1
25) 2-Butanone	4.52	43	608	154.601	ug/l	91
26) 2,2-Dichloropropane	3.65	77	714	86.176	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	204	13.651	ug/l	35
28) Bromochloromethane	3.94	49	454	57.199	ug/l #	3
29) Tetrahydrofuran	4.32	42	970	644.883	ug/l #	65
30) Chloroform	4.07	83	177	8.607	ug/l #	48
31) Cyclohexane	3.90	56	199	10.073	ug/l #	57
32) 1,1,1-Trichloroethane	4.33	97	165	13.780	ug/l #	1
36) 1,1-Dichloropropene	4.60	75	436	532.144	ug/l #	1
37) Ethyl Acetate	4.38	43	620	1979.570	ug/l #	21
38) Carbon Tetrachloride	4.25	117	80	144.474	ug/l #	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.73	83	620	608.004	ug/l #	42
40) Benzene	4.94	78	657	275.525	ug/l #	52
41) Methacrylonitrile	5.01	41	981	5634.235	ug/l #	41
42) 1,2-Dichloroethane	5.20	62	374	824.658	ug/l	69
43) Isopropyl Acetate	7.22	43	283	684.005	ug/l #	38
44) Trichloroethene	5.76	130	92	136.707	ug/l	3
45) 1,2-Dichloropropane	6.49	63	80	133.692	ug/l #	44
46) Dibromomethane	6.38	93	102	291.957	ug/l #	2
47) Bromodichloromethane	6.66	83	113	158.818	ug/l #	3
48) Methyl methacrylate	6.91	41	1934	9070.156	ug/l #	32
49) 1,4-Dioxane	6.96	88	71	25261.792	ug/l #	1
51) 4-Methyl-2-Pentanone	8.47	43	480	1624.996	ug/l	87
52) Toluene	7.92	92	360	280.300	ug/l #	1
53) t-1,3-Dichloropropene	8.56	75	250	424.024	ug/l #	1
54) cis-1,3-Dichloropropene	7.57	75	404	473.378	ug/l #	54
55) 1,1,2-Trichloroethane	8.77	97	315	820.965	ug/l #	13
56) Ethyl methacrylate	8.91	69	496	1204.779	ug/l #	1
57) 1,3-Dichloropropane	9.16	76	250	398.992	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.58	63	601	4177.027	ug/l #	30
59) 2-Hexanone	9.72	43	725	3443.507	ug/l #	22
60) Dibromochloromethane	8.84	129	148	311.555	ug/l	65
61) 1,2-Dibromoethane	9.28	107	150	376.422	ug/l #	1
64) Tetrachloroethene	8.32	164	79	26.360	ug/l #	21
65) Chlorobenzene	10.01	112	193	25.626	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.05	131	209	69.679	ug/l #	6
67) Ethyl Benzene	10.03	91	418	32.342	ug/l #	5
68) m/p-Xylenes	10.26	106	105	21.231	ug/l #	36
69) o-Xylene	10.92	106	137	27.360	ug/l	68
70) Styrene	10.87	104	439	59.481	ug/l #	59
71) Bromoform	10.94	173	113	78.532	ug/l #	28
73) Isopropylbenzene	11.23	105	290	25.189	ug/l #	44
74) N-amyl acetate	11.47	43	1221	376.287	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.79	83	117	47.587	ug/l #	7
76) 1,2,3-Trichloropropane	11.91	75	144	88.359	ug/l	90
77) Bromobenzene	11.58	156	139	48.051	ug/l #	33
78) n-propylbenzene	11.58	91	436	31.364	ug/l	95
79) 2-Chlorotoluene	11.69	91	190	23.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.86	105	266	28.252	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.95	75	313	453.641	ug/l #	28
82) 4-Chlorotoluene	12.09	91	192	24.562	ug/l	79
83) tert-Butylbenzene	12.17	119	258	27.655	ug/l #	79
84) 1,2,4-Trimethylbenzene	12.28	105	244	27.333	ug/l #	24
85) sec-Butylbenzene	12.43	105	191	15.537	ug/l #	55
86) p-Isopropyltoluene	12.54	119	88	8.600	ug/l #	42
87) 1,3-Dichlorobenzene	12.57	146	127	24.894	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	196	41.167	ug/l #	23
89) n-Butylbenzene	12.88	91	88	8.550	ug/l #	24
90) Hexachloroethane	12.94	117	231	92.562	ug/l #	10
91) 1,2-Dichlorobenzene	13.02	146	155	34.566	ug/l #	53
92) 1,2-Dibromo-3-Chloropropan	13.70	75	169	630.926	ug/l #	34

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	75	24.360	ug/l #	80
94) Hexachlorobutadiene	14.23	225	169	79.344	ug/l #	19
95) Naphthalene	14.50	128	136	26.962	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.58	180	78	27.754	ug/l #	11

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

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