

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062730.D
 Acq On : 23 May 2019 16:47
 Operator : FY/SY
 Sample : K3002-07
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409

Quant Time: May 24 02:15:25 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	5.07	168	3093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	127	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.84	117	215	50.00	ug/l	-0.08
72) 1,4-Dichlorobenzene-d4	12.57	152	220	50.00	ug/l	-0.05

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	393	17.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	35.96%	
35) Dibromofluoromethane	4.24	113	69	71.00	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	142.00%	
50) Toluene-d8	7.74	98	360	155.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	310.30%	
62) 4-Bromofluorobenzene	11.40	95	485	551.12	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	1102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	326	7.745	ug/l	87
3) Chloromethane	1.02	50	390	10.063	ug/l	97
4) Vinyl Chloride	1.21	62	307	8.605	ug/l #	41
5) Bromomethane	1.43	94	883	45.243	ug/l	96
6) Chloroethane	1.39	64	512	39.077	ug/l #	45
7) Trichlorofluoromethane	1.65	101	147	3.069	ug/l	92
8) Diethyl Ether	1.70	74	308	32.456	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	1.91	101	195	6.393	ug/l #	19
10) Methyl Iodide	1.97	142	355	5.925	ug/l #	41
11) Tert butyl alcohol	2.72	59	1112	770.619	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	1231	44.304	ug/l #	11
13) Acrolein	2.06	56	264	175.266	ug/l	90
14) Allyl chloride	2.14	41	349	13.878	ug/l	97
15) Acrylonitrile	3.09	53	293	71.982	ug/l #	64
16) Acetone	2.25	43	951	167.715	ug/l	92
17) Carbon Disulfide	1.95	76	245	2.975	ug/l #	1
18) Methyl Acetate	2.45	43	1742	195.499	ug/l #	52
19) Methyl tert-butyl Ether	2.69	73	1964	39.541	ug/l	97
20) Methylene Chloride	2.31	84	261	9.183	ug/l #	33
21) trans-1,2-Dichloroethene	2.48	96	279	10.273	ug/l #	5
22) Diisopropyl ether	2.97	45	1696	27.345	ug/l #	66
23) Vinyl Acetate	3.35	43	570	13.624	ug/l #	73
24) 1,1-Dichloroethane	3.05	63	243	5.341	ug/l #	16
25) 2-Butanone	4.53	43	636	52.499	ug/l #	65
26) 2,2-Dichloropropane	3.74	77	404	15.519	ug/l	82
27) cis-1,2-Dichloroethene	3.65	96	454	10.163	ug/l	1
28) Bromochloromethane	4.06	49	510	19.986	ug/l	81
29) Tetrahydrofuran	4.26	42	247	50.384	ug/l #	1
30) Chloroform	4.07	83	259	4.100	ug/l #	16
31) Cyclohexane	3.86	56	407	6.662	ug/l #	15
32) 1,1,1-Trichloroethane	4.29	97	481	11.465	ug/l #	23
36) 1,1-Dichloropropene	4.43	75	169	129.864	ug/l #	10
37) Ethyl Acetate	4.26	43	492	925.950	ug/l #	37
38) Carbon Tetrachloride	4.17	117	207	211.501	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	170	108.566	ug/l #	72
40) Benzene	4.78	78	498	140.469	ug/l #	1
41) Methacrylonitrile	4.90	41	599	2150.266	ug/l #	44
42) 1,2-Dichloroethane	5.03	62	255	360.689	ug/l #	71
43) Isopropyl Acetate	7.09	43	239	347.192	ug/l #	42
44) Trichloroethene	5.62	130	285	286.027	ug/l #	1
45) 1,2-Dichloropropane	6.33	63	378	422.371	ug/l #	74
46) Dibromomethane	6.19	93	168	324.817	ug/l #	3
47) Bromodichloromethane	6.50	83	528	491.739	ug/l #	25
48) Methyl methacrylate	6.84	41	1069	2971.062	ug/l #	35
49) 1,4-Dioxane	6.84	88	180	39059.574	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	1106	2350.522	ug/l #	1
52) Toluene	7.84	92	63	33.884	ug/l #	81
53) t-1,3-Dichloropropene	8.34	75	402	457.624	ug/l #	75
54) cis-1,3-Dichloropropene	7.42	75	485	394.412	ug/l #	1
55) 1,1,2-Trichloroethane	8.58	97	238	432.326	ug/l #	70
56) Ethyl methacrylate	8.70	69	209	318.663	ug/l #	1
57) 1,3-Dichloropropane	8.92	76	88	93.848	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.37	63	220	1030.520	ug/l #	38
59) 2-Hexanone	9.64	43	646	2252.999	ug/l #	89
60) Dibromochloromethane	8.79	129	68	94.774	ug/l #	12
61) 1,2-Dibromoethane	9.17	107	73	124.845	ug/l #	89
64) Tetrachloroethene	8.28	164	376	220.750	ug/l #	50
65) Chlorobenzene	9.94	112	71	16.813	ug/l #	8
66) 1,1,1,2-Tetrachloroethane	10.10	131	66	38.933	ug/l #	6
67) Ethyl Benzene	10.01	91	334	45.529	ug/l #	95
68) m/p-Xylenes	10.36	106	68	24.663	ug/l #	98
69) o-Xylene	10.83	106	89	31.339	ug/l #	1
70) Styrene	10.94	104	74	17.144	ug/l #	1
71) Bromoform	10.89	173	190	223.783	ug/l #	27
73) Isopropylbenzene	11.31	105	351	22.261	ug/l #	97
74) N-amyl acetate	11.47	43	1875	517.855	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.75	83	1733	537.805	ug/l #	66
76) 1,2,3-Trichloropropane	11.90	75	191	90.210	ug/l #	85
77) Bromobenzene	11.64	156	265	67.613	ug/l #	43
78) n-propylbenzene	11.54	91	562	30.117	ug/l #	86
79) 2-Chlorotoluene	11.85	91	706	67.133	ug/l #	71
80) 1,3,5-Trimethylbenzene	11.83	105	899	71.105	ug/l #	62
81) trans-1,4-Dichloro-2-buten	11.98	75	162	172.130	ug/l #	95
82) 4-Chlorotoluene	11.99	91	418	40.306	ug/l #	87
83) tert-Butylbenzene	12.19	119	606	47.243	ug/l #	69
84) 1,2,4-Trimethylbenzene	12.28	105	1299	106.153	ug/l #	65
85) sec-Butylbenzene	12.37	105	680	39.502	ug/l #	97
86) p-Isopropyltoluene	12.52	119	196	13.510	ug/l #	48
87) 1,3-Dichlorobenzene	12.52	146	105	14.808	ug/l #	12
88) 1,4-Dichlorobenzene	12.64	146	195	29.304	ug/l #	1
89) n-Butylbenzene	12.93	91	668	46.701	ug/l #	25
90) Hexachloroethane	13.08	117	335	96.260	ug/l #	88
91) 1,2-Dichlorobenzene	13.00	146	77	12.182	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	321	835.035	ug/l #	25

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	70	15.472	ug/l #	11
94) Hexachlorobutadiene	14.25	225	137	43.389	ug/l #	16
95) Naphthalene	14.49	128	229	27.860	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.73	180	86	20.067	ug/l #	11

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

