

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062715.D
 Acq On : 22 May 2019 19:37
 Operator : FY/SY
 Sample : K3002-07RE
 Misc : 5.10g/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C5-20190409RE

Quant Time: May 23 01:24:35 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	5.18	168	291	50.00	ug/l	0.11
34) 1,4-Difluorobenzene	5.76	114	6664	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	2261	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	64	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.09	65	769	373.96	ug/l	0.05
Spiked Amount	50.000		Recovery	=	747.92%	
35) Dibromofluoromethane	4.30	113	2826	55.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.84%	
50) Toluene-d8	7.70	98	4940	40.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	81.14%	
62) 4-Bromofluorobenzene	11.43	95	423	9.16	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	18.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.09	85	127	32.070	ug/l	91
3) Chloromethane	1.31	50	856	234.754	ug/l	99
4) Vinyl Chloride	1.18	62	314	93.551	ug/l #	55
5) Bromomethane	1.42	94	530	288.641	ug/l	98
6) Chloroethane	1.50	64	471	382.085	ug/l #	45
7) Trichlorofluoromethane	1.46	101	293	65.014	ug/l	86
8) Diethyl Ether	1.85	74	256	286.733	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.95	101	222	77.360	ug/l #	48
10) Methyl Iodide	2.03	142	265	47.009	ug/l #	29
11) Tert butyl alcohol	2.76	59	584	4301.649	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	924	353.464	ug/l #	56
13) Acrolein	2.07	56	253	1785.259	ug/l	85
14) Allyl chloride	2.26	41	738	311.927	ug/l #	14
15) Acrylonitrile	3.19	53	204	532.692	ug/l #	13
16) Acetone	2.40	43	241	451.748	ug/l #	78
17) Carbon Disulfide	1.98	76	459	59.240	ug/l #	15
18) Methyl Acetate	2.53	43	390	465.208	ug/l #	62
19) Methyl tert-butyl Ether	2.56	73	1081	231.321	ug/l #	60
20) Methylene Chloride	2.35	84	452	169.032	ug/l #	11
21) trans-1,2-Dichloroethene	2.46	96	1195	467.691	ug/l #	3
22) Diisopropyl ether	3.00	45	771	132.127	ug/l #	70
23) Vinyl Acetate	3.42	43	2086	529.934	ug/l #	81
24) 1,1-Dichloroethane	3.09	63	419	97.879	ug/l #	86
25) 2-Butanone	4.53	43	498	436.925	ug/l	94
26) 2,2-Dichloropropane	3.87	77	167	68.183	ug/l #	3
27) cis-1,2-Dichloroethene	3.71	96	470	111.827	ug/l	1
28) Bromochloromethane	4.03	49	290	120.790	ug/l #	35
29) Tetrahydrofuran	4.40	42	1392	3018.009	ug/l #	52
30) Chloroform	4.10	83	367	61.749	ug/l	84
31) Cyclohexane	3.96	56	186	32.360	ug/l #	1
32) 1,1,1-Trichloroethane	4.39	97	170	43.069	ug/l #	49
36) 1,1-Dichloropropene	4.48	75	623	9.123	ug/l #	38
37) Ethyl Acetate	4.27	43	739	26.505	ug/l #	43
38) Carbon Tetrachloride	4.16	117	133	2.590	ug/l #	12

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

39) Methylcyclohexane	5.62	83	145	1.765	ug/l #	46
40) Benzene	4.79	78	394	2.118	ug/l #	37
41) Methacrylonitrile	4.91	41	1247	85.310	ug/l #	12
42) 1,2-Dichloroethane	5.08	62	192	5.176	ug/l	71
43) Isopropyl Acetate	7.11	43	1391	38.510	ug/l #	43
44) Trichloroethene	5.69	130	90	1.721	ug/l	1
45) 1,2-Dichloropropane	6.33	63	299	6.367	ug/l	96
46) Dibromomethane	6.20	93	172	6.338	ug/l #	1
47) Bromodichloromethane	6.51	83	240	4.260	ug/l #	25
48) Methyl methacrylate	6.86	41	851	45.075	ug/l #	36
49) 1,4-Dioxane	6.87	88	346	1430.869	ug/l #	1
51) 4-Methyl-2-Pentanone	8.33	43	1158	46.901	ug/l	100
52) Toluene	7.75	92	389	3.987	ug/l #	1
53) t-1,3-Dichloropropene	8.40	75	231	5.011	ug/l #	62
54) cis-1,3-Dichloropropene	7.45	75	411	6.370	ug/l #	1
55) 1,1,2-Trichloroethane	8.64	97	247	8.551	ug/l #	48
56) Ethyl methacrylate	8.76	69	682	19.817	ug/l #	1
57) 1,3-Dichloropropane	8.96	76	296	6.016	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.40	63	654	58.382	ug/l #	51
59) 2-Hexanone	9.55	43	267	Below Cal		70
60) Dibromochloromethane	8.94	129	155	4.117	ug/l	84
61) 1,2-Dibromoethane	9.08	107	176	5.736	ug/l #	3
64) Tetrachloroethene	8.32	164	283	15.799	ug/l #	33
65) Chlorobenzene	9.95	112	66	1.486	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.05	131	89	4.992	ug/l #	69
67) Ethyl Benzene	9.90	91	247	3.202	ug/l	97
68) m/p-Xylenes	10.31	106	112	3.863	ug/l #	18
69) o-Xylene	10.85	106	341	11.418	ug/l #	21
70) Styrene	10.86	104	64	1.410	ug/l #	1
71) Bromoform	10.91	173	59	6.608	ug/l #	2
73) Isopropylbenzene	11.20	105	219	47.744	ug/l #	45
74) N-amyl acetate	11.47	43	1273	1216.655	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	11.74	83	455	485.379	ug/l #	80
76) 1,2,3-Trichloropropane	11.86	75	82	133.130	ug/l #	34
77) Bromobenzene	11.68	156	99	86.828	ug/l	54
78) n-propylbenzene	11.69	91	126	23.211	ug/l #	50
79) 2-Chlorotoluene	11.81	91	261	85.312	ug/l	81
80) 1,3,5-Trimethylbenzene	11.93	105	102	27.732	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.96	75	206	752.404	ug/l #	63
82) 4-Chlorotoluene	12.04	91	383	126.951	ug/l	79
83) tert-Butylbenzene	12.20	119	280	75.035	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.39	105	200	56.182	ug/l	95
85) sec-Butylbenzene	12.39	105	200	39.937	ug/l #	54
86) p-Isopropyltoluene	12.54	119	244	57.815	ug/l #	1
87) 1,3-Dichlorobenzene	12.56	146	219	106.165	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	124	64.056	ug/l #	1
89) n-Butylbenzene	12.89	91	109	26.195	ug/l #	25
90) Hexachloroethane	12.90	117	154	152.112	ug/l	80
91) 1,2-Dichlorobenzene	13.06	146	266	144.660	ug/l	81
92) 1,2-Dibromo-3-Chloropropan	13.71	75	331	2959.855	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	72	54.703	ug/l #	11
94) Hexachlorobutadiene	14.28	225	180	195.964	ug/l #	16
95) Naphthalene	14.49	128	61	25.511	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.72	180	137	109.888	ug/l #	11

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

