

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062712.D
 Acq On : 22 May 2019 18:13
 Operator : FY/SY
 Sample : K3002-04RE
 Misc : 4.99g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 21-C1-20190391RE

Quant Time: May 23 01:23:42 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	5.05	168	18023	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	18895	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	5114	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.59	152	174	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	1736	13.63	ug/l	-0.03
Spiked Amount			Recovery	=	27.26%	
35) Dibromofluoromethane	4.29	113	4298	29.73	ug/l	-0.03
Spiked Amount			Recovery	=	59.46%	
50) Toluene-d8	7.71	98	12405	35.93	ug/l	-0.01
Spiked Amount			Recovery	=	71.86%	
62) 4-Bromofluorobenzene	11.43	95	610	4.66	ug/l	-0.07
Spiked Amount			Recovery	=	9.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	347	1.415	ug/l #	41
3) Chloromethane	1.10	50	1401	6.204	ug/l #	40
4) Vinyl Chloride	1.18	62	683	3.286	ug/l #	41
5) Bromomethane	1.43	94	1175	10.332	ug/l	88
6) Chloroethane	1.43	64	331	4.335	ug/l #	1
8) Diethyl Ether	1.70	74	99	1.790	ug/l	80
10) Methyl Iodide	1.95	142	638	1.827	ug/l #	1
11) Tert butyl alcohol	2.69	59	413	49.118	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	666	4.114	ug/l #	10
13) Acrolein	2.14	56	351	39.990	ug/l	92
14) Allyl chloride	2.18	41	1615	11.021	ug/l #	83
15) Acrylonitrile	3.10	53	767	32.338	ug/l #	37
16) Acetone	2.34	43	1723	52.147	ug/l	91
18) Methyl Acetate	2.46	43	1172	22.572	ug/l	91
19) Methyl tert-butyl Ether	2.54	73	865	2.989	ug/l #	1
22) Diisopropyl ether	2.93	45	623	1.724	ug/l #	65
23) Vinyl Acetate	3.36	43	1037	4.254	ug/l #	73
24) 1,1-Dichloroethane	3.01	63	418	1.577	ug/l #	86
25) 2-Butanone	4.48	43	1569	22.226	ug/l	91
26) 2,2-Dichloropropane	3.81	77	568	3.744	ug/l #	46
27) cis-1,2-Dichloroethene	3.69	96	532	2.044	ug/l	36
29) Tetrahydrofuran	4.20	42	1961	68.648	ug/l #	36
31) Cyclohexane	3.88	56	678	1.905	ug/l #	15
32) 1,1,1-Trichloroethane	4.28	97	333	1.362	ug/l #	29
36) 1,1-Dichloropropene	4.50	75	301	1.555	ug/l #	38
37) Ethyl Acetate	4.29	43	584	7.387	ug/l #	9
38) Carbon Tetrachloride	4.24	117	172	1.181	ug/l #	1
39) Methylcyclohexane	5.61	83	668	2.867	ug/l #	82
40) Benzene	4.82	78	633	1.200	ug/l #	1
41) Methacrylonitrile	4.90	41	556	13.415	ug/l #	56
43) Isopropyl Acetate	7.13	43	370	3.613	ug/l #	43
44) Trichloroethene	5.68	130	329	2.219	ug/l	1
45) 1,2-Dichloropropane	6.40	63	883	6.632	ug/l	90
46) Dibromomethane	6.24	93	169	2.196	ug/l #	3

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47) Bromodichloromethane	6.56	83	860	5.383	ug/l #	24
48) Methyl methacrylate	6.85	41	1481	27.666	ug/l	89
49) 1,4-Dioxane	6.86	88	121	176.481	ug/l #	1
51) 4-Methyl-2-Pentanone	8.22	43	621	8.871	ug/l	89
53) t-1,3-Dichloropropene	8.42	75	140	1.071	ug/l #	1
54) cis-1,3-Dichloropropene	7.42	75	385	2.104	ug/l #	1
56) Ethyl methacrylate	8.71	69	276	2.828	ug/l #	1
57) 1,3-Dichloropropane	8.97	76	268	1.921	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.43	63	62	1.952	ug/l #	51
59) 2-Hexanone	9.63	43	1747	22.107	ug/l #	23
60) Dibromochloromethane	8.91	129	267	2.501	ug/l	78
64) Tetrachloroethene	8.34	164	73	1.802	ug/l #	27
65) Chlorobenzene	9.92	112	119	1.185	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	73	1.810	ug/l #	32
67) Ethyl Benzene	10.04	91	362	2.075	ug/l #	42
68) m/p-Xylenes	10.31	106	78	1.189	ug/l	98
69) o-Xylene	10.85	106	82	1.214	ug/l #	1
71) Bromoform	10.92	173	120	5.942	ug/l #	27
73) Isopropylbenzene	11.19	105	596	47.792	ug/l #	1
74) N-amyl acetate	11.46	43	257	84.745	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.77	83	776	304.482	ug/l #	81
76) 1,2,3-Trichloropropane	11.88	75	468	279.472	ug/l #	34
77) Bromobenzene	11.67	156	212	68.390	ug/l	70
78) n-propylbenzene	11.71	91	1156	78.326	ug/l #	50
79) 2-Chlorotoluene	11.85	91	208	25.007	ug/l	95
80) 1,3,5-Trimethylbenzene	11.87	105	274	27.401	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	60	80.606	ug/l #	26
82) 4-Chlorotoluene	11.85	91	208	25.359	ug/l	92
83) tert-Butylbenzene	12.17	119	115	11.335	ug/l #	23
84) 1,2,4-Trimethylbenzene	12.27	105	169	17.462	ug/l #	47
85) sec-Butylbenzene	12.38	105	252	18.509	ug/l #	54
86) p-Isopropyltoluene	12.48	119	101	8.802	ug/l #	1
87) 1,3-Dichlorobenzene	12.51	146	65	11.590	ug/l #	23
88) 1,4-Dichlorobenzene	12.66	146	174	33.061	ug/l #	1
89) n-Butylbenzene	12.91	91	290	25.634	ug/l #	25
90) Hexachloroethane	12.96	117	219	79.564	ug/l #	20
91) 1,2-Dichlorobenzene	13.02	146	86	17.203	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	289	950.541	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	74	20.680	ug/l #	1
94) Hexachlorobutadiene	14.23	225	59	23.626	ug/l #	30
95) Naphthalene	14.55	128	72	11.075	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.58	180	70	20.652	ug/l #	1

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

