

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062608.D
 Acq On : 15 May 2019 14:56
 Operator : FY/SY
 Sample : K2801-01
 Misc : 6.47g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1873

Quant Time: May 15 15:22:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	2468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	2182	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	62	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	77	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	713	38.24	ug/l	-0.02
Spiked Amount			Recovery	=	76.48%	
35) Dibromofluoromethane	4.32	113	753	46.37	ug/l	-0.02
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	7.72	98	201	5.25	ug/l	-0.02
Spiked Amount			Recovery	=	10.50%	
62) 4-Bromofluorobenzene	11.48	95	203	15.19	ug/l	-0.04
Spiked Amount			Recovery	=	30.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	302	8.500	ug/l #	45
3) Chloromethane	1.01	50	345	12.258	ug/l	91
4) Vinyl Chloride	1.18	62	231	8.246	ug/l #	71
5) Bromomethane	1.41	94	538	39.020	ug/l	84
6) Chloroethane	1.54	64	229	21.527	ug/l	88
7) Trichlorofluoromethane	1.56	101	388	10.109	ug/l #	18
8) Diethyl Ether	1.71	74	246	28.593	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.93	101	114	4.354	ug/l #	23
10) Methyl Iodide	2.00	142	424	9.093	ug/l #	36
11) Tert butyl alcohol	2.72	59	788	701.981	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	513	22.875	ug/l #	25
13) Acrolein	2.19	56	971	1305.208	ug/l	93
14) Allyl chloride	2.21	41	1036	45.146	ug/l #	90
15) Acrylonitrile	3.12	53	403	100.361	ug/l #	85
16) Acetone	2.19	43	391	103.350	ug/l	91
17) Carbon Disulfide	1.91	76	213	Below Cal	#	1
18) Methyl Acetate	2.47	43	2099	293.839	ug/l #	48
19) Methyl tert-butyl Ether	2.56	73	914	22.890	ug/l #	70
20) Methylene Chloride	2.30	84	513	19.119	ug/l #	25
21) trans-1,2-Dichloroethene	2.41	96	442	19.556	ug/l #	1
22) Diisopropyl ether	2.93	45	721	13.513	ug/l #	54
23) Vinyl Acetate	3.37	43	425	14.563	ug/l #	32
24) 1,1-Dichloroethane	3.01	63	502	12.359	ug/l #	86
25) 2-Butanone	4.53	43	197	23.033	ug/l #	52
26) 2,2-Dichloropropane	3.72	77	400	18.248	ug/l	88
27) cis-1,2-Dichloroethene	3.66	96	312	9.771	ug/l	45
28) Bromochloromethane	3.94	49	309	13.534	ug/l #	14
29) Tetrahydrofuran	4.30	42	551	152.234	ug/l #	84
30) Chloroform	4.07	83	111	2.278	ug/l #	20
31) Cyclohexane	3.91	56	174	4.110	ug/l #	1
32) 1,1,1-Trichloroethane	4.32	97	155	4.718	ug/l #	22
36) 1,1-Dichloropropene	4.50	75	325	17.213	ug/l #	62
37) Ethyl Acetate	4.25	43	1332	171.675	ug/l #	18
38) Carbon Tetrachloride	4.21	117	200	12.913	ug/l #	1

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39) Methylcyclohexane	5.66	83	720	32.570	ug/l #	85
40) Benzene	4.87	78	775	14.428	ug/l #	33
41) Methacrylonitrile	4.93	41	719	163.643	ug/l #	44
42) 1,2-Dichloroethane	5.17	62	88	7.720	ug/l	71
43) Isopropyl Acetate	7.13	43	293	31.913	ug/l #	83
44) Trichloroethene	5.72	130	113	7.790	ug/l	3
45) 1,2-Dichloropropane	6.31	63	198	14.645	ug/l	97
46) Dibromomethane	6.27	93	115	15.214	ug/l #	5
47) Bromodichloromethane	6.59	83	66	4.062	ug/l #	1
48) Methyl methacrylate	6.90	41	884	175.900	ug/l #	55
49) 1,4-Dioxane	6.89	88	156	2355.580	ug/l #	7
51) 4-Methyl-2-Pentanone	8.43	43	792	117.727	ug/l #	79
52) Toluene	7.80	92	691	25.627	ug/l #	24
53) t-1,3-Dichloropropene	8.42	75	211	16.436	ug/l #	58
54) cis-1,3-Dichloropropene	7.47	75	309	17.033	ug/l #	1
55) 1,1,2-Trichloroethane	8.68	97	259	32.081	ug/l #	7
56) Ethyl methacrylate	8.78	69	260	29.384	ug/l #	1
57) 1,3-Dichloropropane	9.03	76	72	5.403	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	189	68.267	ug/l #	1
59) 2-Hexanone	9.73	43	1134	255.227	ug/l	90
60) Dibromochloromethane	8.85	129	101	9.847	ug/l #	10
61) 1,2-Dibromoethane	9.17	107	78	9.633	ug/l	84
64) Tetrachloroethene	8.34	164	62	151.333	ug/l #	19
65) Chlorobenzene	9.96	112	85	78.858	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	151	341.066	ug/l	89
67) Ethyl Benzene	10.05	91	441	230.280	ug/l #	44
68) m/p-Xylenes	10.32	106	72	106.074	ug/l #	1
69) o-Xylene	10.89	106	112	157.293	ug/l	77
70) Styrene	10.92	104	145	134.016	ug/l #	1
71) Bromoform	10.95	173	191	916.256	ug/l #	26
73) Isopropylbenzene	11.18	105	88	16.998	ug/l #	48
74) N-amyl acetate	11.46	43	1192	948.216	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.79	83	399	376.189	ug/l #	25
76) 1,2,3-Trichloropropane	11.90	75	460	676.512	ug/l #	9
77) Bromobenzene	11.57	156	61	52.138	ug/l #	53
78) n-propylbenzene	11.70	91	321	52.128	ug/l #	63
79) 2-Chlorotoluene	11.80	91	66	19.420	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	198	48.857	ug/l #	26
81) trans-1,4-Dichloro-2-buten	12.01	75	521	1797.679	ug/l #	72
82) 4-Chlorotoluene	12.02	91	382	114.956	ug/l #	40
83) tert-Butylbenzene	12.24	119	296	69.825	ug/l #	72
84) 1,2,4-Trimethylbenzene	12.30	105	320	80.383	ug/l	76
85) sec-Butylbenzene	12.38	105	635	110.332	ug/l #	59
86) p-Isopropyltoluene	12.56	119	153	32.295	ug/l #	1
87) 1,3-Dichlorobenzene	12.55	146	392	171.304	ug/l #	23
88) 1,4-Dichlorobenzene	12.63	146	212	98.760	ug/l #	23
89) n-Butylbenzene	12.93	91	182	37.740	ug/l #	28
90) Hexachloroethane	12.98	117	156	128.548	ug/l	71
91) 1,2-Dichlorobenzene	13.03	146	73	35.959	ug/l #	54
92) 1,2-Dibromo-3-Chloropropan	13.69	75	123	944.102	ug/l #	51

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93) 1,2,4-Trichlorobenzene	14.25	180	85	60.212	ug/l #	12
94) Hexachlorobutadiene	14.30	225	61	59.484	ug/l #	19
95) Naphthalene	14.52	128	66	28.724	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.61	180	92	70.249	ug/l #	12

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

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