

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062705.D
 Acq On : 22 May 2019 14:57
 Operator : FY/SY
 Sample : K2978-01
 Misc : 5.17g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RO-SOIL

Quant Time: May 23 01:22:16 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	43996	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	48920	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	20923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	1415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	3643	11.72	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	23.44%	
35) Dibromofluoromethane	4.29	113	9446	25.23	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	50.46%	
50) Toluene-d8	7.70	98	27162	30.39	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	60.78%	
62) 4-Bromofluorobenzene	11.49	95	2424	7.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	14.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.22	50	879	1.594	ug/l	94
6) Chloroethane	1.44	64	423	2.270	ug/l #	3
8) Diethyl Ether	1.71	74	219	1.622	ug/l	84
11) Tert butyl alcohol	2.70	59	592	28.842	ug/l #	1
12) 1,1-Dichloroethene	1.85	96	1168	2.955	ug/l #	1
13) Acrolein	2.10	56	260	12.135	ug/l #	42
14) Allyl chloride	2.23	41	1059	2.961	ug/l #	81
15) Acrylonitrile	3.12	53	375	6.477	ug/l #	73
16) Acetone	2.37	43	1351	16.750	ug/l #	78
18) Methyl Acetate	2.37	43	1351	10.659	ug/l	100
20) Methylene Chloride	2.30	84	2334	5.773	ug/l #	54
21) trans-1,2-Dichloroethene	2.45	96	772	1.998	ug/l #	22
23) Vinyl Acetate	3.35	43	966	1.623	ug/l #	73
25) 2-Butanone	4.50	43	1854	10.759	ug/l	100
26) 2,2-Dichloropropane	3.78	77	1382	3.732	ug/l	98
29) Tetrahydrofuran	4.26	42	844	12.103	ug/l #	58
37) Ethyl Acetate	4.31	43	792	3.870	ug/l #	21
41) Methacrylonitrile	4.91	41	653	6.085	ug/l #	37
43) Isopropyl Acetate	7.11	43	1215	4.582	ug/l #	43
45) 1,2-Dichloropropane	6.44	63	523	1.517	ug/l #	34
48) Methyl methacrylate	6.84	41	712	5.137	ug/l #	48
49) 1,4-Dioxane	6.87	88	396	223.084	ug/l #	70
51) 4-Methyl-2-Pentanone	8.35	43	645	3.559	ug/l #	83
53) t-1,3-Dichloropropene	8.39	75	364	1.076	ug/l #	73
58) 2-Chloroethyl Vinyl ether	7.45	63	103	1.253	ug/l #	51
59) 2-Hexanone	9.73	43	1181	Below Cal		99
60) Dibromochloromethane	8.77	129	449	1.625	ug/l	76
64) Tetrachloroethene	8.32	164	573	3.457	ug/l #	13
66) 1,1,1,2-Tetrachloroethane	10.08	131	190	1.152	ug/l	98
67) Ethyl Benzene	10.05	91	1004	1.406	ug/l #	42
68) m/p-Xylenes	10.28	106	310	1.155	ug/l #	1
71) Bromoform	10.87	173	102	1.234	ug/l #	27
73) Isopropylbenzene	11.21	105	538	5.305	ug/l #	45
74) N-amyl acetate	11.43	43	1423	55.769	ug/l #	56

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

75) 1,1,2,2-Tetrachloroethane	11.78	83	98	4.728	ug/l #	85
76) 1,2,3-Trichloropropane	11.73	75	246	18.064	ug/l	76
77) Bromobenzene	11.59	156	85	3.372	ug/l	90
78) n-propylbenzene	11.66	91	476	3.966	ug/l #	50
79) 2-Chlorotoluene	11.83	91	898	13.276	ug/l	99
80) 1,3,5-Trimethylbenzene	12.01	105	208	2.558	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	482	79.626	ug/l #	1
82) 4-Chlorotoluene	11.83	91	405	6.072	ug/l	96
83) tert-Butylbenzene	12.17	119	820	9.939	ug/l #	32
84) 1,2,4-Trimethylbenzene	12.24	105	293	3.723	ug/l	89
85) sec-Butylbenzene	12.37	105	441	3.983	ug/l #	54
86) p-Isopropyltoluene	12.54	119	183	1.961	ug/l #	74
87) 1,3-Dichlorobenzene	12.51	146	98	2.149	ug/l #	23
88) 1,4-Dichlorobenzene	12.65	146	174	4.065	ug/l #	46
89) n-Butylbenzene	12.92	91	336	3.652	ug/l #	25
90) Hexachloroethane	12.99	117	153	6.835	ug/l	75
91) 1,2-Dichlorobenzene	12.95	146	65	1.599	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	158	63.903	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.26	180	177	6.082	ug/l #	11
94) Hexachlorobutadiene	14.24	225	66	3.250	ug/l #	16
95) Naphthalene	14.47	128	63	1.192	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.59	180	60	2.177	ug/l #	66

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

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