

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062912.D
 Acq On : 10 Jun 2019 17:57
 Operator : FY/SY
 Sample : K3265-07RE
 Misc : 5.10a/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-02-2.5-3.0RE

Quant Time: Jun 11 01:20:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	93	50.00	ug/l	0.07
63) Chlorobenzene-d5	10.06	117	158	50.00	ug/l	0.13
72) 1,4-Dichlorobenzene-d4	12.50	152	112	50.00	ug/l	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	326	285.72	ug/l	-0.02
Spiked Amount			Recovery	=	571.44%	
35) Dibromofluoromethane	4.37	113	61	86.80	ug/l	0.04
Spiked Amount			Recovery	=	173.60%	
50) Toluene-d8	7.80	98	151	84.97	ug/l	0.07
Spiked Amount			Recovery	=	169.94%	
62) 4-Bromofluorobenzene	11.65	95	201	314.43	ug/l	0.14
Spiked Amount			Recovery	=	628.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	150	83.205	ug/l #	39
3) Chloromethane	1.28	50	472	276.465	ug/l	92
4) Vinyl Chloride	1.08	62	249	146.767	ug/l	90
5) Bromomethane	1.45	94	617	637.693	ug/l #	37
6) Chloroethane	1.48	64	231	364.165	ug/l #	36
7) Trichlorofluoromethane	1.55	101	287	119.495	ug/l #	16
8) Diethyl Ether	1.66	74	160	338.600	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.95	101	131	86.754	ug/l #	19
10) Methyl Iodide	2.03	142	224	73.984	ug/l #	36
11) Tert butyl alcohol	2.73	59	213	3081.605	ug/l #	70
12) 1,1-Dichloroethene	1.86	96	1089	794.219	ug/l #	1
13) Acrolein	2.22	56	72	2687.253	ug/l	98
14) Allyl chloride	2.24	41	913	858.294	ug/l #	48
15) Acrylonitrile	3.10	53	263	1012.616	ug/l #	49
16) Acetone	2.32	43	600	2297.567	ug/l #	52
17) Carbon Disulfide	1.95	76	583	145.476	ug/l #	1
18) Methyl Acetate	2.42	43	1414	3098.497	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	151	60.785	ug/l #	58
20) Methylene Chloride	2.36	84	215	171.675	ug/l #	87
21) trans-1,2-Dichloroethene	2.46	96	362	263.312	ug/l #	23
22) Diisopropyl ether	2.97	45	231	76.435	ug/l #	9
23) Vinyl Acetate	3.36	43	407	196.713	ug/l #	73
24) 1,1-Dichloroethane	3.02	63	77	34.124	ug/l #	1
25) 2-Butanone	4.54	43	735	1208.584	ug/l #	34
26) 2,2-Dichloropropane	3.84	77	536	418.346	ug/l #	20
27) cis-1,2-Dichloroethene	3.69	96	527	228.045	ug/l	20
28) Bromochloromethane	3.96	49	286	233.011	ug/l #	3
29) Tetrahydrofuran	4.27	42	1296	5571.791	ug/l #	39
30) Chloroform	4.09	83	174	54.713	ug/l #	15
31) Cyclohexane	3.90	56	636	208.186	ug/l #	38
32) 1,1,1-Trichloroethane	4.30	97	255	137.718	ug/l #	22
36) 1,1-Dichloropropene	4.49	75	507	592.185	ug/l #	39
37) Ethyl Acetate	4.39	43	573	1750.817	ug/l #	69
38) Carbon Tetrachloride	4.21	117	72	124.434	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	568	533.053	ug/l	93
40) Benzene	4.91	78	404	162.138	ug/l #	1
41) Methacrylonitrile	5.03	41	516	2836.107	ug/l #	38
42) 1,2-Dichloroethane	5.22	62	186	392.484	ug/l	69
43) Isopropyl Acetate	7.18	43	1110	2567.457	ug/l #	83
44) Trichloroethene	5.63	130	447	635.650	ug/l	3
45) 1,2-Dichloropropane	6.49	63	305	487.778	ug/l #	1
46) Dibromomethane	6.36	93	182	498.537	ug/l #	36
47) Bromodichloromethane	6.67	83	212	285.143	ug/l #	9
48) Methyl methacrylate	6.95	41	846	3796.957	ug/l #	46
49) 1,4-Dioxane	7.00	88	221	75249.763	ug/l #	16
51) 4-Methyl-2-Pentanone	8.47	43	699	2264.620	ug/l	88
52) Toluene	7.90	92	120	89.415	ug/l #	1
53) t-1,3-Dichloropropene	8.58	75	372	603.810	ug/l #	1
54) cis-1,3-Dichloropropene	7.61	75	509	570.757	ug/l #	76
55) 1,1,2-Trichloroethane	8.73	97	127	316.756	ug/l #	1
56) Ethyl methacrylate	8.89	69	301	699.680	ug/l #	83
57) 1,3-Dichloropropane	9.07	76	799	1220.332	ug/l #	46
58) 2-Chloroethyl Vinyl ether	7.58	63	238	1582.985	ug/l	97
59) 2-Hexanone	9.75	43	417	1895.423	ug/l	79
60) Dibromochloromethane	8.93	129	258	519.756	ug/l	91
61) 1,2-Dibromoethane	9.39	107	80	192.123	ug/l	90
64) Tetrachloroethene	8.32	164	101	83.187	ug/l #	1
65) Chlorobenzene	9.94	112	62	20.320	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	135	111.095	ug/l #	1
67) Ethyl Benzene	10.07	91	577	110.198	ug/l #	42
68) m/p-Xylenes	10.28	106	73	36.434	ug/l #	1
69) o-Xylene	10.83	106	75	36.971	ug/l	99
70) Styrene	10.90	104	236	78.928	ug/l #	60
71) Bromoform	10.92	173	60	102.926	ug/l #	28
73) Isopropylbenzene	11.22	105	138	17.659	ug/l #	1
74) N-amyl acetate	11.48	43	1838	834.477	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.78	83	99	59.321	ug/l #	25
76) 1,2,3-Trichloropropane	11.91	75	202	182.601	ug/l #	25
77) Bromobenzene	11.75	156	205	104.402	ug/l	67
78) n-propylbenzene	11.59	91	481	50.975	ug/l	98
79) 2-Chlorotoluene	11.80	91	245	45.377	ug/l #	17
80) 1,3,5-Trimethylbenzene	11.90	105	62	9.701	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.97	75	464	990.721	ug/l #	1
82) 4-Chlorotoluene	11.99	91	245	46.174	ug/l #	37
83) tert-Butylbenzene	12.18	119	82	12.949	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.29	105	153	25.250	ug/l #	24
85) sec-Butylbenzene	12.42	105	448	53.688	ug/l #	55
86) p-Isopropyltoluene	12.53	119	327	47.080	ug/l #	22
87) 1,3-Dichlorobenzene	12.50	146	62	17.904	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	369	114.178	ug/l #	56
89) n-Butylbenzene	12.91	91	276	39.504	ug/l #	1
90) Hexachloroethane	12.92	117	98	57.851	ug/l	98
91) 1,2-Dichlorobenzene	12.97	146	309	101.519	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.67	75	219	1204.486	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	138	66.032	ug/l #	66
94) Hexachlorobutadiene	14.32	225	120	83.000	ug/l #	19
95) Naphthalene	14.48	128	109	31.836	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	85	44.556	ug/l #	11

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

