

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062504.D
 Acq On : 12 May 2019 15:44
 Operator : FY/SY
 Sample : K2734-06
 Misc : 4.29g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0002-02

Quant Time: May 13 04:46:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	14734	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	22523	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	13716	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	4200	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	19829	142.41	ug/l	0.03
Spiked Amount			Recovery	=	284.82%	
35) Dibromofluoromethane	4.33	113	20319	113.24	ug/l	0.03
Spiked Amount			Recovery	=	226.48%	
50) Toluene-d8	7.73	98	13284	30.58	ug/l	0.03
Spiked Amount			Recovery	=	61.16%	
62) 4-Bromofluorobenzene	11.51	95	4377	22.34	ug/l	0.02
Spiked Amount			Recovery	=	44.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.19	50	579	5.148	ug/l #	82
5) Bromomethane	1.43	94	460	3.079	ug/l #	23
6) Chloroethane	1.46	64	521	9.238	ug/l #	1
8) Diethyl Ether	1.71	74	601	17.066	ug/l	57
11) Tert butyl alcohol	2.70	59	1109	140.922	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	584	5.170	ug/l #	1
13) Acrolein	2.11	56	1034	209.113	ug/l #	13
14) Allyl chloride	2.23	41	577	5.782	ug/l #	88
15) Acrylonitrile	3.10	53	995	66.747	ug/l #	70
16) Acetone	2.36	43	13670	485.307	ug/l	94
18) Methyl Acetate	2.50	43	2925	57.405	ug/l #	76
19) Methyl tert-butyl Ether	2.57	73	851	3.649	ug/l	94
20) Methylene Chloride	2.32	84	2593	25.444	ug/l #	67
21) trans-1,2-Dichloroethene	2.42	96	695	6.457	ug/l #	1
22) Diisopropyl ether	2.96	45	1541	4.941	ug/l #	36
23) Vinyl Acetate	3.38	43	723	5.201	ug/l #	79
24) 1,1-Dichloroethane	3.01	63	189	1.003	ug/l #	2
25) 2-Butanone	4.54	43	1482	41.879	ug/l #	60
26) 2,2-Dichloropropane	3.70	77	583	5.539	ug/l	88
27) cis-1,2-Dichloroethene	3.90	96	167	1.241	ug/l	36
28) Bromochloromethane	3.98	49	97	1.135	ug/l #	1
29) Tetrahydrofuran	4.37	42	167	10.268	ug/l	97
31) Cyclohexane	3.87	56	200	1.329	ug/l #	16
36) 1,1-Dichloropropene	4.47	75	233	1.204	ug/l #	42
37) Ethyl Acetate	4.32	43	666	3.991	ug/l #	60
38) Carbon Tetrachloride	4.17	117	64	Below Cal	#	1
40) Benzene	4.81	78	539	1.265	ug/l #	48
41) Methacrylonitrile	4.97	41	385	8.299	ug/l #	34
43) Isopropyl Acetate	7.13	43	432	4.909	ug/l #	76
45) 1,2-Dichloropropane	6.43	63	190	1.969	ug/l #	43
48) Methyl methacrylate	6.89	41	373	5.998	ug/l #	33
49) 1,4-Dioxane	6.87	88	108	157.843	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	719	10.782	ug/l #	2
52) Toluene	7.80	92	356	1.354	ug/l #	52

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55) 1,1,2-Trichloroethane	8.69	97	88	1.055	ug/l #	14
57) 1,3-Dichloropropane	9.00	76	184	1.460	ug/l #	76
58) 2-Chloroethyl Vinyl ether	7.58	63	157	5.929	ug/l	89
59) 2-Hexanone	9.64	43	1246	27.017	ug/l	71
64) Tetrachloroethene	8.32	164	236	2.119	ug/l #	1
67) Ethyl Benzene	10.05	91	2822	7.101	ug/l	94
70) Styrene	10.89	104	2045	8.612	ug/l #	82
73) Isopropylbenzene	11.23	105	1246	5.004	ug/l	83
74) N-amyl acetate	11.45	43	364	6.809	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.77	83	174	4.463	ug/l #	88
76) 1,2,3-Trichloropropane	11.86	75	315	10.590	ug/l #	100
77) Bromobenzene	11.59	156	166	2.540	ug/l #	1
78) n-propylbenzene	11.68	91	1275	4.810	ug/l #	74
79) 2-Chlorotoluene	11.80	91	245	1.486	ug/l #	69
80) 1,3,5-Trimethylbenzene	11.90	105	479	2.195	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.91	75	165	14.758	ug/l #	5
82) 4-Chlorotoluene	11.99	91	452	2.776	ug/l #	66
83) tert-Butylbenzene	12.21	119	459	2.001	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	519	2.430	ug/l	87
85) sec-Butylbenzene	12.39	105	843	3.020	ug/l	86
86) p-Isopropyltoluene	12.53	119	740	2.853	ug/l #	70
87) 1,3-Dichlorobenzene	12.55	146	321	2.690	ug/l #	25
88) 1,4-Dichlorobenzene	12.65	146	292	2.535	ug/l #	42
89) n-Butylbenzene	12.91	91	300	1.300	ug/l #	58
90) Hexachloroethane	13.18	117	89	1.374	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	280	2.424	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.70	75	82	9.389	ug/l #	36
93) 1,2,4-Trichlorobenzene	14.25	180	275	2.654	ug/l #	45
95) Naphthalene	14.50	128	1631	10.470	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.64	180	253	2.520	ug/l #	70

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

