

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062211.D
 Acq On : 18 Apr 2019 18:09
 Operator : FY/SY
 Sample : K2434-01
 Misc : 6.29g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RO-288

Quant Time: Apr 19 01:19:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	9646	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	9060	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	2725	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	74	50.00	ug/l	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.27	65	352	3.98	ug/l	0.26
Spiked Amount			Recovery	=	7.96%	
35) Dibromofluoromethane	4.31	113	1817	22.93	ug/l	0.01
Spiked Amount			Recovery	=	45.86%	
50) Toluene-d8	7.71	98	6825	34.02	ug/l	0.01
Spiked Amount			Recovery	=	68.04%	
62) 4-Bromofluorobenzene	11.49	95	606	7.85	ug/l	0.01
Spiked Amount			Recovery	=	15.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.13	50	432	2.851	ug/l #	41
4) Vinyl Chloride	1.18	62	143	1.099	ug/l #	42
5) Bromomethane	1.42	94	225	2.975	ug/l	95
6) Chloroethane	1.42	64	64	1.176	ug/l #	1
8) Diethyl Ether	1.67	74	228	6.624	ug/l	83
11) Tert butyl alcohol	2.73	59	222	36.108	ug/l #	70
12) 1,1-Dichloroethene	1.91	96	592	5.509	ug/l #	1
13) Acrolein	2.10	56	435	151.451	ug/l #	1
14) Allyl chloride	2.20	41	886	7.185	ug/l #	25
15) Acrylonitrile	3.10	53	444	23.710	ug/l #	27
16) Acetone	2.39	43	1492	70.572	ug/l #	52
18) Methyl Acetate	2.50	43	978	17.705	ug/l #	74
19) Methyl tert-butyl Ether	2.56	73	274	1.444	ug/l #	58
20) Methylene Chloride	2.36	84	242	Below Cal	#	2
21) trans-1,2-Dichloroethene	2.44	96	345	3.247	ug/l #	15
22) Diisopropyl ether	2.93	45	341	1.081	ug/l #	40
23) Vinyl Acetate	3.32	43	608	4.045	ug/l #	79
25) 2-Butanone	4.50	43	2126	50.292	ug/l #	56
26) 2,2-Dichloropropane	3.93	77	1033	11.857	ug/l	98
27) cis-1,2-Dichloroethene	3.52	96	283	2.057	ug/l	52
28) Bromochloromethane	3.89	49	147	1.778	ug/l #	8
29) Tetrahydrofuran	4.30	42	399	20.852	ug/l #	47
30) Chloroform	4.03	83	493	2.325	ug/l	90
31) Cyclohexane	3.86	56	660	3.192	ug/l #	24
32) 1,1,1-Trichloroethane	4.27	97	277	1.784	ug/l #	17
36) 1,1-Dichloropropene	4.47	75	185	1.703	ug/l #	42
37) Ethyl Acetate	4.28	43	700	13.656	ug/l #	3
39) Methylcyclohexane	5.63	83	278	2.138	ug/l #	41
41) Methacrylonitrile	4.91	41	390	13.190	ug/l #	50
42) 1,2-Dichloroethane	5.25	62	79	1.049	ug/l #	74
43) Isopropyl Acetate	7.13	43	1511	28.028	ug/l #	45
45) 1,2-Dichloropropane	6.37	63	80	1.275	ug/l #	42
46) Dibromomethane	6.28	93	131	3.137	ug/l #	3
47) Bromodichloromethane	6.56	83	185	1.963	ug/l #	57

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

48) Methyl methacrylate	6.89	41	243	6.859	ug/l #	1
49) 1,4-Dioxane	6.65	88	64	157.512	ug/l #	42
51) 4-Methyl-2-Pentanone	8.35	43	294	7.332	ug/l #	38
54) cis-1,3-Dichloropropene	7.40	75	280	2.925	ug/l #	71
55) 1,1,2-Trichloroethane	8.64	97	98	2.329	ug/l #	14
56) Ethyl methacrylate	8.77	69	497	10.390	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.46	63	69	4.968	ug/l #	48
59) 2-Hexanone	9.46	43	1125	45.103	ug/l	66
60) Dibromochloromethane	8.85	129	141	2.253	ug/l #	10
61) 1,2-Dibromoethane	9.19	107	89	1.878	ug/l	82
64) Tetrachloroethene	8.30	164	68	2.764	ug/l #	1
65) Chlorobenzene	10.06	112	65	1.119	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.06	131	95	3.491	ug/l #	1
67) Ethyl Benzene	10.00	91	535	5.064	ug/l #	44
68) m/p-Xylenes	10.27	106	148	3.805	ug/l #	1
69) o-Xylene	10.97	106	154	3.566	ug/l	64
70) Styrene	10.90	104	199	3.265	ug/l #	1
73) Isopropylbenzene	11.22	105	451	70.949	ug/l	76
74) N-amyl acetate	11.45	43	1521	1052.529	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.81	83	630	576.294	ug/l #	22
76) 1,2,3-Trichloropropane	11.84	75	135	179.493	ug/l #	1
78) n-propylbenzene	11.57	91	374	55.773	ug/l	95
79) 2-Chlorotoluene	11.80	91	888	218.307	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.12	105	132	24.933	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.92	75	79	205.955	ug/l #	1
82) 4-Chlorotoluene	12.07	91	510	129.735	ug/l	89
83) tert-Butylbenzene	12.19	119	331	60.457	ug/l #	30
84) 1,2,4-Trimethylbenzene	12.12	105	132	25.765	ug/l	85
85) sec-Butylbenzene	12.34	105	328	46.145	ug/l	95
86) p-Isopropyltoluene	12.53	119	164	27.200	ug/l #	1
87) 1,3-Dichlorobenzene	12.64	146	64	25.327	ug/l #	1
88) 1,4-Dichlorobenzene	12.64	146	64	26.258	ug/l #	1
89) n-Butylbenzene	12.91	91	519	110.996	ug/l #	39
90) Hexachloroethane	12.91	117	153	98.817	ug/l #	12
91) 1,2-Dichlorobenzene	12.95	146	75	30.738	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	303	1410.726	ug/l #	1
95) Naphthalene	14.48	128	80	22.412	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.60	180	70	35.716	ug/l #	1

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

