

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063905.D
 Acq On : 10 Oct 2019 12:51
 Operator : VA/SY
 Sample : K5292-02
 Misc : 5.05G/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190853-COMPOSITE-E

Quant Time: Oct 11 07:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	6830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	10422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	8938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	4604	69.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.48%	
35) Dibromofluoromethane	7.93	113	3791	59.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.04%	
50) Toluene-d8	10.34	98	12062	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
62) 4-Bromofluorobenzene	12.64	95	3864	43.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.05	85	64	1.321	ug/l #	47
4) Vinyl Chloride	2.36	62	437	2.791	ug/l #	83
5) Bromomethane	2.78	94	334	3.319	ug/l #	5
6) Chloroethane	2.93	64	428	4.134	ug/l #	46
8) Diethyl Ether	3.84	74	66	1.987	ug/l	73
10) Methyl Iodide	4.31	142	108	1.368	ug/l #	40
11) Tert butyl alcohol	5.24	59	54	3.791	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	90	1.572	ug/l #	47
13) Acrolein	3.94	56	149	25.089	ug/l #	17
15) Acrylonitrile	5.51	53	67	4.574	ug/l #	8
16) Acetone	4.17	43	1294	74.744	ug/l #	60
17) Carbon Disulfide	4.41	76	407	1.956	ug/l #	79
18) Methyl Acetate	4.73	43	144	4.253	ug/l #	49
20) Methylene Chloride	5.11	84	70	Below Cal	#	1
21) trans-1,2-Dichloroethene	5.60	96	155	2.175	ug/l #	1
23) Vinyl Acetate	6.31	43	239	2.067	ug/l #	71
25) 2-Butanone	7.24	43	291	14.183	ug/l #	51
27) cis-1,2-Dichloroethene	7.24	96	144	1.785	ug/l #	61
28) Bromochloromethane	7.57	49	73	3.408	ug/l #	10
29) Tetrahydrofuran	7.57	42	62	5.177	ug/l #	31
30) Chloroform	7.72	83	158	1.215	ug/l #	20
31) Cyclohexane	7.98	56	138	Below Cal	#	1
32) 1,1,1-Trichloroethane	7.89	97	204	1.829	ug/l #	24
36) 1,1-Dichloropropene	8.12	75	282	2.959	ug/l #	41
37) Ethyl Acetate	7.29	43	80	Below Cal	#	68
40) Benzene	8.36	78	687	2.516	ug/l #	52
41) Methacrylonitrile	7.53	41	219	9.913	ug/l #	14
42) 1,2-Dichloroethane	8.44	62	125	1.582	ug/l #	1
45) 1,2-Dichloropropane	9.39	63	79	1.182	ug/l #	41
46) Dibromomethane	9.30	93	126	3.310	ug/l #	3
48) Methyl methacrylate	9.44	41	121	3.160	ug/l #	37
49) 1,4-Dioxane	9.42	88	62	119.323	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	652	15.732	ug/l #	34
52) Toluene	10.41	92	509	2.715	ug/l #	72

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

55) 1,1,2-Trichloroethane	10.81	97	54	1.005	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.96	63	74	2.529	ug/l #	44
59) 2-Hexanone	10.88	43	162	5.404	ug/l	74
64) Tetrachloroethene	10.88	164	296	4.851	ug/l #	27
65) Chlorobenzene	11.66	112	322	1.794	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.47	131	111	1.678	ug/l #	8
67) Ethyl Benzene	11.76	91	1049	3.241	ug/l #	44
68) m/p-Xylenes	11.86	106	567	4.539	ug/l #	57
69) o-Xylene	12.18	106	261	2.182	ug/l #	32
70) Styrene	12.19	104	346	1.709	ug/l #	73
73) Isopropylbenzene	12.47	105	552	1.788	ug/l #	48
74) N-amyl acetate	12.27	43	337	5.069	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.74	83	62	1.154	ug/l #	7
76) 1,2,3-Trichloropropane	12.77	75	336	10.922	ug/l #	100
78) n-propylbenzene	12.82	91	944	2.605	ug/l #	65
80) 1,3,5-Trimethylbenzene	12.95	105	319	1.238	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.64	75	2501	143.868	ug/l #	17
83) tert-Butylbenzene	13.22	119	686	2.992	ug/l #	79
84) 1,2,4-Trimethylbenzene	13.28	105	878	3.306	ug/l #	45
85) sec-Butylbenzene	13.40	105	639	2.064	ug/l	91
86) p-Isopropyltoluene	13.51	119	492	1.679	ug/l #	65
87) 1,3-Dichlorobenzene	13.51	146	448	2.947	ug/l #	55
88) 1,4-Dichlorobenzene	13.60	146	451	3.008	ug/l #	54
89) n-Butylbenzene	13.84	91	787	2.886	ug/l #	72
90) Hexachloroethane	14.14	117	60	1.139	ug/l #	9
91) 1,2-Dichlorobenzene	13.88	146	690	5.268	ug/l #	32
92) 1,2-Dibromo-3-Chloropropan	14.41	75	94	9.258	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.17	180	161	1.593	ug/l #	33
94) Hexachlorobutadiene	15.27	225	399	7.154	ug/l #	33
95) Naphthalene	15.40	128	1293	7.611	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.58	180	392	4.495	ug/l #	79

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

