

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063095.D
 Acq On : 16 Jul 2019 9:55
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 16 10:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	695781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	998924	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	825773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	467358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	437100	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	6.91	113	487242	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	10.40	98	955293	44.70	ug/l	0.00
Spiked Amount			Recovery	=	89.40%	
62) 4-Bromofluorobenzene	13.54	95	457439	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	390225	52.587	ug/l	99
3) Chloromethane	1.74	50	313747	49.803	ug/l	94
4) Vinyl Chloride	1.84	62	340350	45.833	ug/l	99
5) Bromomethane	2.14	94	156143	55.520	ug/l	93
6) Chloroethane	2.26	64	163498	47.398	ug/l	97
7) Trichlorofluoromethane	2.52	101	730382	48.586	ug/l	95
8) Diethyl Ether	2.86	74	104519	49.427	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	400790	46.237	ug/l	94
10) Methyl Iodide	3.29	142	490823	46.123	ug/l	94
11) Tert butyl alcohol	4.05	59	115102	230.112	ug/l	98
12) 1,1-Dichloroethene	3.11	96	292672	47.548	ug/l	98
13) Acrolein	3.02	56	17416	115.362	ug/l	94
14) Allyl chloride	3.60	41	463086	47.869	ug/l	90
15) Acrylonitrile	4.18	53	257304	232.708	ug/l	90
16) Acetone	3.21	43	553638	264.468	ug/l	98
17) Carbon Disulfide	3.35	76	793668	45.047	ug/l	99
18) Methyl Acetate	3.63	43	139849	49.860	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	781962	50.325	ug/l	100
20) Methylene Chloride	3.80	84	308916	39.060	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	329754	48.258	ug/l	99
22) Diisopropyl ether	5.11	45	1045691	49.717	ug/l	96
23) Vinyl Acetate	5.04	43	3322468	270.757	ug/l	99
24) 1,1-Dichloroethane	4.96	63	632400	48.811	ug/l	99
25) 2-Butanone	6.05	43	470391	235.310	ug/l	99
26) 2,2-Dichloropropane	6.00	77	686632	47.886	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	370929	47.720	ug/l	97
28) Bromochloromethane	6.42	49	235490	50.100	ug/l	87
29) Tetrahydrofuran	6.44	42	223574	246.723	ug/l	98
30) Chloroform	6.64	83	838797	52.569	ug/l	99
31) Cyclohexane	6.93	56	385684	46.744	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	835520	53.102	ug/l	97
36) 1,1-Dichloropropene	7.12	75	508549	45.266	ug/l	93
37) Ethyl Acetate	6.16	43	213637	44.432	ug/l	99
38) Carbon Tetrachloride	7.09	117	849650	49.771	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	427175	43.980	ug/l	93
40) Benzene	7.44	78	1060423	45.067	ug/l	96
41) Methacrylonitrile	6.43	41	314198	48.199	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	582918	46.500	ug/l	97
43) Isopropyl Acetate	9.23	43	314215	45.593	ug/l #	99
44) Trichloroethene	8.52	130	429274	47.206	ug/l	98
45) 1,2-Dichloropropane	8.93	63	277466	47.296	ug/l	94
46) Dibromomethane	9.04	93	228766	45.379	ug/l	96
47) Bromodichloromethane	9.36	83	631673	48.017	ug/l	99
48) Methyl methacrylate	9.10	41	201578	44.540	ug/l #	83
49) 1,4-Dioxane	9.07	88	36547	936.343	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	1107929	242.381	ug/l	96
52) Toluene	10.49	92	745881	47.470	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	490626	43.531	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	548592	47.074	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	252180	46.442	ug/l	94
56) Ethyl methacrylate	11.03	69	292688	48.243	ug/l	94
57) 1,3-Dichloropropane	11.40	76	404075	48.904	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	772958	228.812	ug/l	98
59) 2-Hexanone	11.52	43	845167	239.749	ug/l	96
60) Dibromochloromethane	11.67	129	500464	48.081	ug/l	96
61) 1,2-Dibromoethane	11.79	107	300891	46.293	ug/l	91
64) Tetrachloroethene	11.25	164	364345	45.471	ug/l	96
65) Chlorobenzene	12.39	112	963878	49.655	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	435856	48.430	ug/l	98
67) Ethyl Benzene	12.51	91	1600559	47.455	ug/l	100
68) m/p-Xylenes	12.66	106	1104193	91.404	ug/l	96
69) o-Xylene	13.04	106	531955	46.440	ug/l	98
70) Styrene	13.06	104	896266	44.701	ug/l	97
71) Bromoform	13.23	173	313022	49.680	ug/l	97
73) Isopropylbenzene	13.40	105	1585136	43.918	ug/l	98
74) N-amyl acetate	13.26	43	449684	44.674	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	295854	45.053	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	303031	42.150	ug/l	96
77) Bromobenzene	13.66	156	483198	47.209	ug/l	88
78) n-propylbenzene	13.77	91	1784240	42.958	ug/l	97
79) 2-Chlorotoluene	13.84	91	1068187	42.535	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1397356	44.422	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	84099	44.421	ug/l	97
82) 4-Chlorotoluene	13.94	91	1337357	45.604	ug/l	93
83) tert-Butylbenzene	14.18	119	1589790	44.697	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1388136	44.263	ug/l	97
85) sec-Butylbenzene	14.36	105	1771628	46.880	ug/l	97
86) p-Isopropyltoluene	14.49	119	1607385	45.594	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	853949	46.718	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	791822	45.186	ug/l	94
89) n-Butylbenzene	14.79	91	1518706	46.738	ug/l	99
90) Hexachloroethane	15.00	117	410885	43.598	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	723878	44.474	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	54051	42.941	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	554667	45.359	ug/l	96
94) Hexachlorobutadiene	16.03	225	424876	47.139	ug/l	98
95) Naphthalene	16.11	128	815004	45.563	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	450511	45.798	ug/l	98

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

