

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067263.D
 Acq On : 14 Oct 2020 11:38
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:44 PM

Quant Time: Oct 15 06:24:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	169011	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.91	113	168429	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.34	98	614231	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.64	95	215165	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67503	22.682	ug/l	99
3) Chloromethane	2.21	50	45252	21.436	ug/l	97
4) Vinyl Chloride	2.35	62	49526	21.382	ug/l	94
5) Bromomethane	2.76	94	37916	22.219	ug/l	93
6) Chloroethane	2.92	64	31226	21.647	ug/l	94
7) Trichlorofluoromethane	3.27	101	121328	20.802	ug/l	92
8) Diethyl Ether	3.71	74	26468	19.832	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65520	21.144	ug/l	99
10) Methyl Iodide	4.30	142	55108	19.279	ug/l	99
11) Tert butyl alcohol	5.21	59	16151	57.296	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	56957	20.575	ug/l	89
13) Acrolein	3.91	56	12615	79.032	ug/l	96
14) Allyl chloride	4.71	41	65974	20.810	ug/l	98
15) Acrylonitrile	5.42	53	44550	100.040	ug/l #	89
16) Acetone	4.16	43	48539	103.136	ug/l #	88
17) Carbon Disulfide	4.40	76	165148	20.926	ug/l	98
18) Methyl Acetate	4.71	43	22411	20.878	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	111099	20.183	ug/l	100
20) Methylene Chloride	4.97	84	67461	19.654	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	66563	20.894	ug/l	98
22) Diisopropyl ether	6.36	45	128081	22.116	ug/l	98
23) Vinyl Acetate	6.31	43	346272	105.097	ug/l	94
24) 1,1-Dichloroethane	6.26	63	103596	20.897	ug/l	96
25) 2-Butanone	7.21	43	55304	103.088	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	102397	20.040	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	73334	21.004	ug/l	98
28) Bromochloromethane	7.54	49	32316	19.112	ug/l	95
29) Tetrahydrofuran	7.56	42	31465	105.512	ug/l	93
30) Chloroform	7.71	83	125670	21.221	ug/l	97
31) Cyclohexane	7.98	56	78170	20.196	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	120627	20.760	ug/l	99
36) 1,1-Dichloropropene	8.11	75	91718	21.389	ug/l	99
37) Ethyl Acetate	7.30	43	26562	21.054	ug/l	100
38) Carbon Tetrachloride	8.09	117	111436	20.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87906	19.609	ug/l	95
40) Benzene	8.35	78	253247	21.527	ug/l	100
41) Methacrylonitrile	7.52	41	15094	22.139	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	78224	21.248	ug/l	100
43) Isopropyl Acetate	8.45	43	51835	20.706	ug/l	99
44) Trichloroethene	9.11	130	83258	22.105	ug/l	94
45) 1,2-Dichloropropane	9.39	63	57746	21.180	ug/l	95
46) Dibromomethane	9.48	93	34452	20.282	ug/l	97
47) Bromodichloromethane	9.67	83	94661	20.799	ug/l	97
48) Methyl methacrylate	9.46	41	23575	19.378	ug/l	98
49) 1,4-Dioxane	9.47	88	7129	415.935	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	127867	102.406	ug/l	98
52) Toluene	10.41	92	170642	21.297	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	82518	20.640	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	96887	20.707	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	49793	21.496	ug/l #	91
56) Ethyl methacrylate	10.66	69	50182	20.889	ug/l	96
57) 1,3-Dichloropropane	10.95	76	80272	21.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124049	100.656	ug/l	97
59) 2-Hexanone	10.99	43	88240	103.419	ug/l	99
60) Dibromochloromethane	11.14	129	70958	21.005	ug/l	98
61) 1,2-Dibromoethane	11.25	107	48453	21.218	ug/l	97
64) Tetrachloroethene	10.88	164	70852	20.566	ug/l	94
65) Chlorobenzene	11.67	112	188909	20.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	75274	20.771	ug/l	98
67) Ethyl Benzene	11.75	91	320996	20.537	ug/l	97
68) m/p-Xylenes	11.86	106	257640	42.805	ug/l	97
69) o-Xylene	12.18	106	113305	20.329	ug/l	97
70) Styrene	12.20	104	204381	21.302	ug/l	98
71) Bromoform	12.37	173	40533	20.820	ug/l #	99
73) Isopropylbenzene	12.48	105	327724	21.448	ug/l	99
74) N-amyl acetate	12.30	43	48074	20.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	46727	19.958	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	30954m	18.550	ug/l	
77) Bromobenzene	12.77	156	80953	21.250	ug/l	98
78) n-propylbenzene	12.83	91	377151	21.303	ug/l	100
79) 2-Chlorotoluene	12.91	91	212973	20.744	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	280058	21.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15629	21.239	ug/l	95
82) 4-Chlorotoluene	13.01	91	233932	21.468	ug/l	98
83) tert-Butylbenzene	13.23	119	234527	20.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	280735	21.391	ug/l	100
85) sec-Butylbenzene	13.41	105	322667	20.965	ug/l	100
86) p-Isopropyltoluene	13.52	119	313372	21.572	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	152363	20.779	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	156608	21.558	ug/l	99
89) n-Butylbenzene	13.85	91	264990	20.735	ug/l	99
90) Hexachloroethane	14.12	117	51230	20.209	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	134226	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8630	20.290	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	89522	20.729	ug/l	99
94) Hexachlorobutadiene	15.28	225	54795	20.431	ug/l	98
95) Naphthalene	15.41	128	139613	19.690	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	79100	21.200	ug/l	96

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

