

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100319\
 Data File : VD063881.D
 Acq On : 03 Oct 2019 17:48
 Operator : VA/SY
 Sample : MDL07
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 4:31:39 PM

Quant Time: Oct 04 02:07:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	183095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	285699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	141163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	83663	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.92	113	83289	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	10.34	98	352564	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.63	95	111965	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	3377	2.601	ug/l	93
3) Chloromethane	2.21	50	12547	3.155	ug/l	88
4) Vinyl Chloride	2.34	62	10822	2.579	ug/l	95
5) Bromomethane	2.77	94	7768	2.879	ug/l	92
6) Chloroethane	2.93	64	7920	2.854	ug/l	99
7) Trichlorofluoromethane	3.27	101	15238	2.746	ug/l	92
8) Diethyl Ether	3.70	74	2714	3.047	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	4119m	2.682	ug/l	
10) Methyl Iodide	4.29	142	5188	2.451	ug/l #	94
11) Tert butyl alcohol	5.24	59	2021m	15.984	ug/l	
12) 1,1-Dichloroethene	4.07	96	4253	2.772	ug/l #	63
13) Acrolein	3.93	56	2241	14.076	ug/l	93
14) Allyl chloride	4.71	41	7125	2.793	ug/l #	84
15) Acrylonitrile	5.43	53	3613	9.202	ug/l #	64
16) Acetone	4.17	43	7913	17.050	ug/l #	67
17) Carbon Disulfide	4.40	76	13632	2.444	ug/l #	91
18) Methyl Acetate	4.74	43	2943	3.242	ug/l #	53
19) Methyl tert-butyl Ether	5.49	73	10819	2.723	ug/l	92
20) Methylene Chloride	4.96	84	13303	5.585	ug/l #	84
21) trans-1,2-Dichloroethene	5.46	96	5016	2.626	ug/l #	71
22) Diisopropyl ether	6.37	45	12880	2.472	ug/l #	85
23) Vinyl Acetate	6.31	43	38317m	12.362	ug/l	
24) 1,1-Dichloroethane	6.27	63	8487	2.644	ug/l	96
25) 2-Butanone	7.23	43	8372	15.222	ug/l #	82
26) 2,2-Dichloropropane	7.23	77	9319m	3.210	ug/l	
27) cis-1,2-Dichloroethene	7.21	96	4832	2.235	ug/l	63
28) Bromochloromethane	7.56	49	3506	2.916	ug/l #	97
29) Tetrahydrofuran	7.57	42	4196	13.070	ug/l #	79
30) Chloroform	7.71	83	9604	2.755	ug/l	97
31) Cyclohexane	7.99	56	12019	3.994	ug/l #	76
32) 1,1,1-Trichloroethane	7.90	97	7096	2.373	ug/l	95
36) 1,1-Dichloropropene	8.11	75	7120	2.708	ug/l #	91
37) Ethyl Acetate	7.30	43	2877	2.411	ug/l #	91
38) Carbon Tetrachloride	8.09	117	6062m	2.282	ug/l	

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

39) Methylcyclohexane	9.36	83	8895	2.752	ug/l #	86
40) Benzene	8.36	78	19643	2.607	ug/l	96
41) Methacrylonitrile	7.52	41	2015	3.306	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	5675	2.604	ug/l	98
43) Isopropyl Acetate	8.47	43	6292	2.854	ug/l #	60
44) Trichloroethene	9.12	130	5559	2.559	ug/l	97
45) 1,2-Dichloropropane	9.39	63	5012	2.718	ug/l	99
46) Dibromomethane	9.48	93	2707	2.577	ug/l	88
47) Bromodichloromethane	9.67	83	6086	2.251	ug/l	93
48) Methyl methacrylate	9.47	41	3463	3.278	ug/l #	82
49) 1,4-Dioxane	9.46	88	474	33.063	ug/l #	59
51) 4-Methyl-2-Pentanone	10.23	43	15208	13.299	ug/l	94
52) Toluene	10.40	92	12881	2.490	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	6713	2.544	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	7930	2.611	ug/l #	91
55) 1,1,2-Trichloroethane	10.80	97	4792	3.231	ug/l #	87
56) Ethyl methacrylate	10.66	69	4684	2.494	ug/l #	76
57) 1,3-Dichloropropane	10.96	76	5946	2.343	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.94	63	9755	12.085	ug/l	99
59) 2-Hexanone	10.98	43	10631	12.852	ug/l	93
60) Dibromochloromethane	11.14	129	4944	2.561	ug/l	91
61) 1,2-Dibromoethane	11.25	107	3800	2.643	ug/l	92
64) Tetrachloroethene	10.87	164	4808	2.465	ug/l #	85
65) Chlorobenzene	11.67	112	14861	2.590	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	5185	2.452	ug/l	97
67) Ethyl Benzene	11.74	91	23711	2.292	ug/l	91
68) m/p-Xylenes	11.85	106	19170	4.800	ug/l	97
69) o-Xylene	12.18	106	8937	2.337	ug/l	99
70) Styrene	12.19	104	14854	2.295	ug/l	95
71) Bromoform	12.37	173	2232	1.967	ug/l #	68
73) Isopropylbenzene	12.48	105	22813	2.404	ug/l	92
74) N-amyl acetate	12.29	43	4763	2.331	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.73	83	3920	2.374	ug/l #	80
76) 1,2,3-Trichloropropane	12.78	75	2616m	2.767	ug/l	
77) Bromobenzene	12.76	156	5719	2.419	ug/l	94
78) n-propylbenzene	12.82	91	27216	2.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	15467	2.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	19812	2.502	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1501m	2.809	ug/l	
82) 4-Chlorotoluene	13.00	91	17032	2.614	ug/l	95
83) tert-Butylbenzene	13.22	119	17162	2.436	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	18750	2.297	ug/l	95
85) sec-Butylbenzene	13.40	105	21450	2.254	ug/l	96
86) p-Isopropyltoluene	13.52	119	20902	2.321	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	11294	2.418	ug/l	91
88) 1,4-Dichlorobenzene	13.60	146	11337	2.460	ug/l	83
89) n-Butylbenzene	13.84	91	19241	2.296	ug/l	97
90) Hexachloroethane	14.11	117	3617	2.234	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	9907	2.461	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.51	75	954	3.339	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	7491	2.411	ug/l	99
94) Hexachlorobutadiene	15.27	225	3593	2.096	ug/l	82
95) Naphthalene	15.40	128	12692	2.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	6571	2.452	ug/l	97

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

