

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067253.D
 Acq On : 13 Oct 2020 15:42
 Operator : VA/SY
 Sample : L4214-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:24 PM

Quant Time: Oct 14 03:25:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250201	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	180661	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	7.92	113	184045	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
50) Toluene-d8	10.34	98	655475	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.64	95	223671	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	10408	3.388	ug/l	98
3) Chloromethane	2.21	50	7885	3.700	ug/l	99
4) Vinyl Chloride	2.35	62	8075	3.453	ug/l	95
5) Bromomethane	2.77	94	6959	3.849	ug/l	90
6) Chloroethane	2.92	64	5371	3.688	ug/l	96
7) Trichlorofluoromethane	3.27	101	19406	3.296	ug/l	94
8) Diethyl Ether	3.71	74	4575	3.395	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	10896	3.483	ug/l #	87
10) Methyl Iodide	4.30	142	8533	2.957	ug/l	96
11) Tert butyl alcohol	5.18	59	9257	37.569	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	9935	3.555	ug/l	90
13) Acrolein	3.92	56	2730m	15.550	ug/l	
14) Allyl chloride	4.72	41	9954	3.110	ug/l #	88
15) Acrylonitrile	5.43	53	7044	15.667	ug/l	93
16) Acetone	4.16	43	8084	17.013	ug/l #	86
17) Carbon Disulfide	4.41	76	27082	3.399	ug/l #	95
18) Methyl Acetate	4.72	43	5177	4.777	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	17748	3.194	ug/l	94
20) Methylene Chloride	4.96	84	21049	5.875	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	10804	3.359	ug/l #	80
22) Diisopropyl ether	6.36	45	17630	3.015	ug/l	93
23) Vinyl Acetate	6.30	43	32651	9.816	ug/l	98
24) 1,1-Dichloroethane	6.27	63	16140	3.225	ug/l	97
25) 2-Butanone	7.21	43	10573	19.521	ug/l	91
26) 2,2-Dichloropropane	7.21	77	17280	3.350	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	11906	3.378	ug/l	97
28) Bromochloromethane	7.55	49	5299	3.104	ug/l #	86
29) Tetrahydrofuran	7.57	42	4928	16.368	ug/l	93
30) Chloroform	7.71	83	20170	3.373	ug/l	96
31) Cyclohexane	7.98	56	17994	4.605	ug/l #	61
32) 1,1,1-Trichloroethane	7.91	97	19444	3.314	ug/l	96
36) 1,1-Dichloropropene	8.12	75	14033	3.038	ug/l	98
37) Ethyl Acetate	7.30	43	4531	3.334	ug/l	97
38) Carbon Tetrachloride	8.10	117	18562	3.144	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16529	3.423	ug/l	93
40) Benzene	8.36	78	40179	3.170	ug/l	96
41) Methacrylonitrile	7.52	41	1848	2.516	ug/l #	47
42) 1,2-Dichloroethane	8.43	62	12530	3.159	ug/l	97
43) Isopropyl Acetate	8.45	43	8230	3.052	ug/l	94
44) Trichloroethene	9.11	130	13279	3.273	ug/l	82
45) 1,2-Dichloropropane	9.39	63	9152	3.116	ug/l	100
46) Dibromomethane	9.48	93	5147	2.813	ug/l	97
47) Bromodichloromethane	9.67	83	14555	2.969	ug/l #	93
48) Methyl methacrylate	9.46	41	4087	3.118	ug/l	92
49) 1,4-Dioxane	9.48	88	1314m	68.219	ug/l	
51) 4-Methyl-2-Pentanone	10.23	43	18829	13.998	ug/l	100
52) Toluene	10.41	92	26437	3.063	ug/l	93
53) t-1,3-Dichloropropene	10.63	75	12424	2.885	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	15208	3.017	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	7842	3.143	ug/l #	89
56) Ethyl methacrylate	10.67	69	7147	2.762	ug/l	93
57) 1,3-Dichloropropane	10.95	76	11970	3.014	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	16307	12.282	ug/l	98
59) 2-Hexanone	10.99	43	12913	14.048	ug/l	99
60) Dibromochloromethane	11.15	129	11761	3.232	ug/l	91
61) 1,2-Dibromoethane	11.25	107	7400	3.008	ug/l	87
64) Tetrachloroethene	10.88	164	13170	3.582	ug/l	92
65) Chlorobenzene	11.67	112	29070	2.987	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	12053	3.116	ug/l	99
67) Ethyl Benzene	11.75	91	49200	2.949	ug/l	97
68) m/p-Xylenes	11.86	106	36753	5.721	ug/l	99
69) o-Xylene	12.19	106	15767	2.650	ug/l	93
70) Styrene	12.20	104	27539	2.689	ug/l	97
71) Bromoform	12.37	173	6094	2.933	ug/l #	88
73) Isopropylbenzene	12.49	105	43615	2.747	ug/l	94
74) N-amyl acetate	12.29	43	7229	3.014	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	8397	3.451	ug/l	90
76) 1,2,3-Trichloropropane	12.79	75	6218m	3.586	ug/l	
77) Bromobenzene	12.77	156	13050	3.296	ug/l	98
78) n-propylbenzene	12.83	91	57043	3.100	ug/l	100
79) 2-Chlorotoluene	12.91	91	34060	3.192	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	39614	2.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	2229m	2.915	ug/l	
82) 4-Chlorotoluene	13.01	91	34830	3.076	ug/l	99
83) tert-Butylbenzene	13.23	119	33097	2.839	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	39315	2.883	ug/l	99
85) sec-Butylbenzene	13.41	105	45766	2.861	ug/l	98
86) p-Isopropyltoluene	13.52	119	41715	2.763	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	25272	3.317	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	24685	3.270	ug/l	87
89) n-Butylbenzene	13.85	91	40096	3.019	ug/l	97
90) Hexachloroethane	14.12	117	8190	3.109	ug/l	87
91) 1,2-Dichlorobenzene	13.90	146	21400	3.215	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1413	3.197	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	13756	3.065	ug/l	97
94) Hexachlorobutadiene	15.28	225	9410	3.376	ug/l	96
95) Naphthalene	15.41	128	20727	2.813	ug/l	95
96) 1,2,3-Trichlorobenzene	15.61	180	12289	3.169	ug/l	96

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

