

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064332.D
 Acq On : 27 Oct 2020 17:39
 Operator : JC/MD
 Sample : L4214-09 .5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:46:19 AM

Quant Time: Oct 28 06:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 05:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	363663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148553	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	197733	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.55	113	134203	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.06	98	474760	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.38	95	175011	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1384	0.494	ug/l	72
3) Chloromethane	2.04	50	1289	0.426	ug/l	93
4) Vinyl Chloride	2.17	62	2036	0.695	ug/l #	74
5) Bromomethane	2.54	94	1463m	0.773	ug/l	
6) Chloroethane	2.68	64	925m	0.529	ug/l	
7) Trichlorofluoromethane	2.99	101	2093	0.427	ug/l	85
8) Diethyl Ether	3.37	74	602	0.388	ug/l #	40
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1017m	0.413	ug/l	
10) Methyl Iodide	3.92	142	1832	0.557	ug/l #	73
11) Tert butyl alcohol	4.74	59	881m	1.550	ug/l	
12) 1,1-Dichloroethene	3.70	96	1089m	0.468	ug/l	
13) Acrolein	3.57	56	560	4.258	ug/l	86
14) Allyl chloride	4.28	41	2209m	0.465	ug/l	
15) Acrylonitrile	4.94	53	2690m	2.201	ug/l	
16) Acetone	3.78	43	3492	2.447	ug/l	92
17) Carbon Disulfide	4.02	76	4012	0.583	ug/l	100
18) Methyl Acetate	4.29	43	1761m	0.599	ug/l	
19) Methyl tert-butyl Ether	5.01	73	4561m	0.510	ug/l	
20) Methylene Chloride	4.52	84	1365m	0.492	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1455m	0.560	ug/l	
22) Diisopropyl ether	5.90	45	3666m	0.395	ug/l	
23) Vinyl Acetate	5.85	43	16789	2.136	ug/l #	93
24) 1,1-Dichloroethane	5.79	63	2745m	0.528	ug/l	
25) 2-Butanone	6.80	43	4207m	2.140	ug/l	
26) 2,2-Dichloropropane	6.78	77	2390m	0.470	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	1201	0.404	ug/l	63
28) Bromochloromethane	7.14	49	1235m	0.499	ug/l	
29) Tetrahydrofuran	7.17	42	2600m	2.038	ug/l	
30) Chloroform	7.34	83	2979m	0.537	ug/l	
31) Cyclohexane	7.62	56	8084	1.779	ug/l #	39
32) 1,1,1-Trichloroethane	7.53	97	2384	0.448	ug/l #	35
36) 1,1-Dichloropropene	7.75	75	2210	0.537	ug/l	83
37) Ethyl Acetate	6.89	43	2433m	0.585	ug/l	
38) Carbon Tetrachloride	7.74	117	2581m	0.541	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	2125m	0.521	ug/l	
40) Benzene	8.00	78	5757	0.503	ug/l #	84
41) Methacrylonitrile	7.14	41	759m	0.368	ug/l	
42) 1,2-Dichloroethane	8.08	62	2787	0.563	ug/l #	79
43) Isopropyl Acetate	8.12	43	3624m	0.510	ug/l	
44) Trichloroethene	8.80	130	1168	0.389	ug/l	71
45) 1,2-Dichloropropane	9.09	63	1219	0.397	ug/l #	89
46) Dibromomethane	9.17	93	1112	0.518	ug/l #	68
47) Bromodichloromethane	9.38	83	2022	0.425	ug/l #	92
48) Methyl methacrylate	9.17	41	2213	0.604	ug/l #	76
49) 1,4-Dioxane	9.17	88	371	6.867	ug/l #	56
51) 4-Methyl-2-Pentanone	9.95	43	8105	1.963	ug/l #	75
52) Toluene	10.13	92	3005	0.416	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	2191	0.436	ug/l #	88
54) cis-1,3-Dichloropropene	9.81	75	2340	0.452	ug/l	92
55) 1,1,2-Trichloroethane	10.53	97	1389	0.487	ug/l #	90
56) Ethyl methacrylate	10.41	69	1333	0.309	ug/l #	86
57) 1,3-Dichloropropane	10.68	76	2272	0.467	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	4662	1.978	ug/l #	81
59) 2-Hexanone	10.73	43	5520	1.815	ug/l	97
60) Dibromochloromethane	10.87	129	1342	0.398	ug/l	90
61) 1,2-Dibromoethane	10.98	107	1040	0.358	ug/l #	78
64) Tetrachloroethene	10.60	164	1517	0.508	ug/l	94
65) Chlorobenzene	11.40	112	3698	0.502	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	1190	0.399	ug/l #	67
67) Ethyl Benzene	11.48	91	6492	0.474	ug/l #	84
68) m/p-Xylenes	11.59	106	4105	0.808	ug/l	99
69) o-Xylene	11.92	106	2037	0.416	ug/l	86
70) Styrene	11.95	104	3039	0.379	ug/l #	89
71) Bromoform	12.11	173	983m	0.420	ug/l	
73) Isopropylbenzene	12.23	105	5000	0.449	ug/l	98
74) N-amyl acetate	12.05	43	1579	0.322	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.48	83	1425	0.441	ug/l #	84
76) 1,2,3-Trichloropropane	12.53	75	2013m	0.566	ug/l	
77) Bromobenzene	12.50	156	1460	0.536	ug/l	87
78) n-propylbenzene	12.57	91	6628	0.526	ug/l	100
79) 2-Chlorotoluene	12.64	91	4443	0.552	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	4720	0.501	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.26	75	620m	0.502	ug/l	
82) 4-Chlorotoluene	12.75	91	4395	0.536	ug/l	97
83) tert-Butylbenzene	12.96	119	3831	0.496	ug/l	84
84) 1,2,4-Trimethylbenzene	13.01	105	4191	0.446	ug/l	95
85) sec-Butylbenzene	13.14	105	4436	0.444	ug/l	91
86) p-Isopropyltoluene	13.26	119	4708	0.523	ug/l	95
87) 1,3-Dichlorobenzene	13.25	146	2747	0.576	ug/l	89
88) 1,4-Dichlorobenzene	13.34	146	2789m	0.574	ug/l	
89) n-Butylbenzene	13.59	91	3429	0.432	ug/l	98
90) Hexachloroethane	13.86	117	641m	0.379	ug/l	
91) 1,2-Dichlorobenzene	13.63	146	2212	0.466	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	14.25	75	177	0.221	ug/l #	10

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	1049m	0.443	ug/l	
94) Hexachlorobutadiene	14.98	225	1116	0.767	ug/l	90
95) Naphthalene	15.11	128	2774m	0.380	ug/l	
96) 1,2,3-Trichlorobenzene	15.29	180	840	0.366	ug/l	77

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

