

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064327.D
 Acq On : 27 Oct 2020 15:41
 Operator : JC/MD
 Sample : L4214-09 .75PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:36:01 PM

Quant Time: Oct 28 07:35:30 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	246708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	364915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	196336	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.55	113	135967	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.06	98	477793	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
62) 4-Bromofluorobenzene	12.38	95	179539	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1896	0.669	ug/l	82
3) Chloromethane	2.04	50	2190	0.714	ug/l	95
4) Vinyl Chloride	2.16	62	2328	0.785	ug/l #	86
5) Bromomethane	2.54	94	2262	1.181	ug/l #	72
6) Chloroethane	2.68	64	1681	0.949	ug/l #	80
7) Trichlorofluoromethane	2.98	101	3350	0.674	ug/l #	84
8) Diethyl Ether	3.37	74	959	0.610	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1661	0.665	ug/l #	51
10) Methyl Iodide	3.91	142	1954m	0.586	ug/l	
11) Tert butyl alcohol	4.72	59	1380m	2.398	ug/l	
12) 1,1-Dichloroethene	3.70	96	1711	0.726	ug/l	78
13) Acrolein	3.57	56	827m	6.208	ug/l	
14) Allyl chloride	4.28	41	3856m	0.801	ug/l	
15) Acrylonitrile	4.95	53	3357	2.712	ug/l	91
16) Acetone	3.78	43	5346	3.698	ug/l	99
17) Carbon Disulfide	4.00	76	4869	0.698	ug/l	97
18) Methyl Acetate	4.28	43	2454m	0.824	ug/l	
19) Methyl tert-butyl Ether	5.00	73	6576m	0.726	ug/l	
20) Methylene Chloride	4.52	84	2521m	0.897	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1818m	0.691	ug/l	
22) Diisopropyl ether	5.90	45	5771m	0.613	ug/l	
23) Vinyl Acetate	5.85	43	24298m	3.053	ug/l	
24) 1,1-Dichloroethane	5.79	63	3443m	0.654	ug/l	
25) 2-Butanone	6.79	43	5764	2.896	ug/l	91
26) 2,2-Dichloropropane	6.79	77	3419m	0.664	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	1893m	0.629	ug/l	
28) Bromochloromethane	7.14	49	1341m	0.535	ug/l	
29) Tetrahydrofuran	7.17	42	4015m	3.107	ug/l	
30) Chloroform	7.34	83	4170m	0.742	ug/l	
31) Cyclohexane	7.63	56	8420	1.830	ug/l #	54
32) 1,1,1-Trichloroethane	7.54	97	3517	0.652	ug/l #	50
36) 1,1-Dichloropropene	7.75	75	2749	0.655	ug/l #	65
37) Ethyl Acetate	6.89	43	3225m	0.760	ug/l	
38) Carbon Tetrachloride	7.74	117	3734	0.767	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	2617	0.629	ug/l	95
40) Benzene	8.00	78	7911	0.677	ug/l	94
41) Methacrylonitrile	7.13	41	1579m	0.750	ug/l	
42) 1,2-Dichloroethane	8.09	62	3963	0.785	ug/l	82
43) Isopropyl Acetate	8.13	43	4595	0.634	ug/l #	62
44) Trichloroethene	8.80	130	2070	0.676	ug/l	94
45) 1,2-Dichloropropane	9.08	63	1865	0.596	ug/l #	87
46) Dibromomethane	9.17	93	1316	0.601	ug/l	95
47) Bromodichloromethane	9.37	83	2869	0.591	ug/l #	86
48) Methyl methacrylate	9.16	41	2219	0.593	ug/l #	73
49) 1,4-Dioxane	9.16	88	674	12.225	ug/l #	22
51) 4-Methyl-2-Pentanone	9.96	43	12438	2.951	ug/l	96
52) Toluene	10.12	92	5263	0.714	ug/l	82
53) t-1,3-Dichloropropene	10.35	75	2982	0.581	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	2891	0.547	ug/l #	77
55) 1,1,2-Trichloroethane	10.54	97	1765	0.606	ug/l	94
56) Ethyl methacrylate	10.41	69	2621	0.595	ug/l #	85
57) 1,3-Dichloropropane	10.68	76	3292	0.663	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.66	63	6004	2.497	ug/l	95
59) 2-Hexanone	10.72	43	8439	2.719	ug/l	95
60) Dibromochloromethane	10.88	129	1820	0.529	ug/l	98
61) 1,2-Dibromoethane	10.98	107	1649	0.556	ug/l #	80
64) Tetrachloroethene	10.60	164	2684	0.895	ug/l #	76
65) Chlorobenzene	11.41	112	4837	0.654	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.49	131	2214	0.740	ug/l #	55
67) Ethyl Benzene	11.48	91	7620	0.554	ug/l	96
68) m/p-Xylenes	11.59	106	5553	1.089	ug/l	84
69) o-Xylene	11.92	106	2623	0.534	ug/l	73
70) Styrene	11.94	104	4759	0.591	ug/l	88
71) Bromoform	12.11	173	1593	0.679	ug/l #	76
73) Isopropylbenzene	12.23	105	7961	0.687	ug/l	99
74) N-amyl acetate	12.05	43	2825	0.554	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.48	83	2468	0.733	ug/l #	88
76) 1,2,3-Trichloropropane	12.53	75	1821m	0.492	ug/l	
77) Bromobenzene	12.50	156	2008	0.708	ug/l	85
78) n-propylbenzene	12.57	91	9248	0.705	ug/l	94
79) 2-Chlorotoluene	12.65	91	6353	0.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	6865	0.701	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.27	75	685m	0.533	ug/l	
82) 4-Chlorotoluene	12.75	91	6848	0.802	ug/l	97
83) tert-Butylbenzene	12.97	119	5767	0.717	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	6604	0.674	ug/l	99
85) sec-Butylbenzene	13.14	105	7134	0.686	ug/l	99
86) p-Isopropyltoluene	13.26	119	5863	0.625	ug/l	94
87) 1,3-Dichlorobenzene	13.25	146	2851	0.574	ug/l	92
88) 1,4-Dichlorobenzene	13.34	146	4107m	0.812	ug/l	
89) n-Butylbenzene	13.59	91	4962	0.601	ug/l	91
90) Hexachloroethane	13.84	117	1113	0.632	ug/l	83
91) 1,2-Dichlorobenzene	13.63	146	3137	0.636	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	14.24	75	562	0.673	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	1366	0.554	ug/l #	89
94) Hexachlorobutadiene	14.98	225	1227	0.810	ug/l	89
95) Naphthalene	15.11	128	3303	0.434	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.29	180	1423	0.596	ug/l	84

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

