

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062489.D
 Acq On : 10 Jul 2020 13:30
 Operator : JC/MD
 Sample : L3216-09 2.5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2020DL

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:11 AM

Quant Time: Jul 13 01:31:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 11 03:18:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	190978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	327910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	297026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	142718	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.55	113	100757	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
50) Toluene-d8	10.06	98	391948	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.38	95	131602	45.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	5471	2.812	ug/l	97
3) Chloromethane	2.04	50	8819	2.825	ug/l	97
4) Vinyl Chloride	2.16	62	7050	2.757	ug/l	98
5) Bromomethane	2.53	94	3961	2.884	ug/l	98
6) Chloroethane	2.67	64	4217	2.831	ug/l	99
7) Trichlorofluoromethane	2.98	101	8888	2.737	ug/l	99
8) Diethyl Ether	3.37	74	3911	2.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5739	2.981	ug/l #	73
10) Methyl Iodide	3.91	142	4674	1.839	ug/l #	96
11) Tert butyl alcohol	4.74	59	7365	15.115	ug/l #	83
12) 1,1-Dichloroethene	3.70	96	5496	2.804	ug/l	92
13) Acrolein	3.58	56	4023m	11.445	ug/l	
14) Allyl chloride	4.28	41	11282	2.447	ug/l	98
15) Acrylonitrile	4.94	53	15778	12.346	ug/l	97
16) Acetone	3.78	43	15454	12.392	ug/l	93
17) Carbon Disulfide	4.01	76	17752	2.890	ug/l	99
18) Methyl Acetate	4.29	43	8633	2.774	ug/l #	73
19) Methyl tert-butyl Ether	4.99	73	19303	2.597	ug/l	99
20) Methylene Chloride	4.50	84	7529	2.824	ug/l	86
21) trans-1,2-Dichloroethene	5.00	96	5779	2.721	ug/l #	79
22) Diisopropyl ether	5.91	45	23557	2.586	ug/l #	94
23) Vinyl Acetate	5.85	43	91492	12.126	ug/l	99
24) 1,1-Dichloroethane	5.80	63	12576	2.672	ug/l	98
25) 2-Butanone	6.80	43	22573	12.394	ug/l	95
26) 2,2-Dichloropropane	6.77	77	9838	2.726	ug/l	81
27) cis-1,2-Dichloroethene	6.78	96	7013	2.851	ug/l	99
28) Bromochloromethane	7.15	49	5974	2.336	ug/l #	100
29) Tetrahydrofuran	7.17	42	15196	12.392	ug/l	97
30) Chloroform	7.33	83	11722	2.758	ug/l	94
31) Cyclohexane	7.62	56	15013	3.365	ug/l #	63
32) 1,1,1-Trichloroethane	7.53	97	9626	2.723	ug/l	99
36) 1,1-Dichloropropene	7.75	75	9067	2.745	ug/l	98
37) Ethyl Acetate	6.88	43	9724m	2.517	ug/l	
38) Carbon Tetrachloride	7.74	117	8471	2.852	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	9105	2.582	ug/l	99
40) Benzene	8.00	78	27159	2.789	ug/l	96
41) Methacrylonitrile	7.13	41	3688	2.285	ug/l #	65
42) 1,2-Dichloroethane	8.09	62	9646	2.706	ug/l	96
43) Isopropyl Acetate	8.13	43	15873	2.601	ug/l #	90
44) Trichloroethene	8.80	130	6009	2.782	ug/l	99
45) 1,2-Dichloropropane	9.09	63	7641	2.703	ug/l	99
46) Dibromomethane	9.18	93	4528	2.839	ug/l	94
47) Bromodichloromethane	9.37	83	8684	2.546	ug/l	98
48) Methyl methacrylate	9.17	41	7909	2.642	ug/l	92
49) 1,4-Dioxane	9.17	88	2185	50.149	ug/l #	89
51) 4-Methyl-2-Pentanone	9.95	43	45397	12.455	ug/l	97
52) Toluene	10.13	92	15664	2.785	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	9468	2.478	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	10437	2.476	ug/l	94
55) 1,1,2-Trichloroethane	10.54	97	6316	2.855	ug/l	96
56) Ethyl methacrylate	10.40	69	8576	2.320	ug/l	96
57) 1,3-Dichloropropane	10.68	76	11159	2.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	12909	9.837	ug/l	97
59) 2-Hexanone	10.72	43	31496	11.903	ug/l	97
60) Dibromochloromethane	10.87	129	6129	2.556	ug/l	99
61) 1,2-Dibromoethane	10.98	107	6060	2.714	ug/l	96
64) Tetrachloroethene	10.60	164	4964	2.816	ug/l	90
65) Chlorobenzene	11.41	112	16120	2.792	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.48	131	5713	2.684	ug/l	97
67) Ethyl Benzene	11.48	91	27286	2.518	ug/l	99
68) m/p-Xylenes	11.60	106	18632	4.857	ug/l	95
69) o-Xylene	11.92	106	9642	2.582	ug/l	93
70) Styrene	11.94	104	14325	2.321	ug/l	99
71) Bromoform	12.10	173	4143	2.655	ug/l #	96
73) Isopropylbenzene	12.22	105	24924	2.765	ug/l	100
74) N-amyl acetate	12.05	43	10517	2.397	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.48	83	9235	3.047	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	8769m	3.068	ug/l	
77) Bromobenzene	12.50	156	5916	2.886	ug/l	94
78) n-propylbenzene	12.57	91	29312	2.783	ug/l	98
79) 2-Chlorotoluene	12.65	91	18750	2.934	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	19338	2.617	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	2390	2.238	ug/l	90
82) 4-Chlorotoluene	12.75	91	17870	2.754	ug/l	98
83) tert-Butylbenzene	12.97	119	17359	2.768	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	18957	2.581	ug/l	98
85) sec-Butylbenzene	13.15	105	21457	2.582	ug/l	99
86) p-Isopropyltoluene	13.27	119	17593	2.453	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	9552	2.702	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	10075	2.769	ug/l	87
89) n-Butylbenzene	13.59	91	14956	2.361	ug/l	97
90) Hexachloroethane	13.85	117	3738	2.649	ug/l	88
91) 1,2-Dichlorobenzene	13.63	146	9304	2.722	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1523	2.753	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	3137	2.035	ug/l	93
94) Hexachlorobutadiene	14.98	225	2654	2.924	ug/l	95
95) Naphthalene	15.11	128	8318	1.914	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.28	180	3441	2.147	ug/l	96

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

