

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062487.D
 Acq On : 10 Jul 2020 12:42
 Operator : JC/MD
 Sample : L3216-09 .5PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:07 AM

Quant Time: Jul 13 01:27:54 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	194136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	335637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	302748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	115448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	161445	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	7.55	113	115725	55.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.56%	
50) Toluene-d8	10.06	98	436486	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.38	95	144402	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1102	0.557	ug/l	95
3) Chloromethane	2.03	50	2045	0.645	ug/l	98
4) Vinyl Chloride	2.16	62	1554	0.598	ug/l	92
5) Bromomethane	2.54	94	973	0.697	ug/l	85
6) Chloroethane	2.67	64	878	0.580	ug/l #	70
7) Trichlorofluoromethane	2.98	101	2173	0.658	ug/l	95
8) Diethyl Ether	3.37	74	790	0.535	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1128m	0.576	ug/l	
10) Methyl Iodide	3.91	142	849	0.329	ug/l #	39
11) Tert butyl alcohol	4.74	59	1159m	2.340	ug/l	
12) 1,1-Dichloroethene	3.70	96	1295	0.650	ug/l	81
13) Acrolein	3.58	56	953m	2.667	ug/l	
14) Allyl chloride	4.28	41	2817	0.601	ug/l #	89
15) Acrylonitrile	4.95	53	3446m	2.653	ug/l	
16) Acetone	3.78	43	4288	3.382	ug/l	92
17) Carbon Disulfide	4.01	76	4551	0.729	ug/l #	95
18) Methyl Acetate	4.28	43	3100	0.980	ug/l #	61
19) Methyl tert-butyl Ether	5.00	73	4358	0.577	ug/l	97
20) Methylene Chloride	4.49	84	2461m	0.908	ug/l	
21) trans-1,2-Dichloroethene	5.00	96	1439	0.667	ug/l #	61
22) Diisopropyl ether	5.91	45	5376	0.581	ug/l #	83
23) Vinyl Acetate	5.85	43	19422	2.532	ug/l	99
24) 1,1-Dichloroethane	5.80	63	2649	0.554	ug/l #	85
25) 2-Butanone	6.81	43	5018	2.710	ug/l #	81
26) 2,2-Dichloropropane	6.79	77	2572m	0.701	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	1497	0.599	ug/l	79
28) Bromochloromethane	7.15	49	965	0.371	ug/l #	86
29) Tetrahydrofuran	7.17	42	3515	2.820	ug/l #	68
30) Chloroform	7.33	83	2579m	0.597	ug/l	
31) Cyclohexane	7.62	56	7221	1.592	ug/l #	31
32) 1,1,1-Trichloroethane	7.53	97	2230	0.621	ug/l #	52
36) 1,1-Dichloropropene	7.76	75	2063	0.610	ug/l #	91
37) Ethyl Acetate	6.90	43	2712	0.686	ug/l #	70
38) Carbon Tetrachloride	7.74	117	2009	0.661	ug/l	94

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

39) Methylcyclohexane	9.05	83	1866	0.517	ug/l #	84
40) Benzene	8.00	78	5983	0.600	ug/l	98
41) Methacrylonitrile	7.14	41	986m	0.597	ug/l	
42) 1,2-Dichloroethane	8.09	62	2466	0.676	ug/l #	78
43) Isopropyl Acetate	8.13	43	3145	0.504	ug/l #	84
44) Trichloroethene	8.81	130	1153	0.521	ug/l	78
45) 1,2-Dichloropropane	9.08	63	1509	0.522	ug/l	97
46) Dibromomethane	9.18	93	753	0.461	ug/l	98
47) Bromodichloromethane	9.37	83	2085	0.597	ug/l #	88
48) Methyl methacrylate	9.17	41	1369	0.447	ug/l #	85
49) 1,4-Dioxane	9.17	88	393	8.812	ug/l #	83
51) 4-Methyl-2-Pentanone	9.95	43	10132	2.716	ug/l	99
52) Toluene	10.13	92	3505	0.609	ug/l	96
53) t-1,3-Dichloropropene	10.36	75	1798	0.460	ug/l #	81
54) cis-1,3-Dichloropropene	9.81	75	2253	0.522	ug/l #	89
55) 1,1,2-Trichloroethane	10.53	97	1440	0.636	ug/l	92
56) Ethyl methacrylate	10.41	69	1676	0.443	ug/l #	81
57) 1,3-Dichloropropane	10.68	76	2391	0.572	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	2243	1.670	ug/l	91
59) 2-Hexanone	10.73	43	6921	2.555	ug/l	90
60) Dibromochloromethane	10.88	129	1414	0.576	ug/l	82
61) 1,2-Dibromoethane	10.98	107	1041	0.455	ug/l	90
64) Tetrachloroethene	10.60	164	1034	0.576	ug/l #	88
65) Chlorobenzene	11.40	112	3388	0.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	1279	0.589	ug/l #	65
67) Ethyl Benzene	11.48	91	6261	0.567	ug/l	90
68) m/p-Xylenes	11.60	106	4212	1.077	ug/l	98
69) o-Xylene	11.92	106	2187	0.574	ug/l	74
70) Styrene	11.94	104	3064	0.487	ug/l	97
71) Bromoform	12.10	173	787	0.495	ug/l #	29
73) Isopropylbenzene	12.22	105	4971	0.556	ug/l	100
74) N-amyl acetate	12.05	43	2278	0.524	ug/l #	68
75) 1,1,2,2-Tetrachloroethane	12.48	83	1984	0.660	ug/l #	89
76) 1,2,3-Trichloropropane	12.53	75	1676m	0.592	ug/l	
77) Bromobenzene	12.50	156	1429	0.704	ug/l	89
78) n-propylbenzene	12.57	91	6277	0.602	ug/l	98
79) 2-Chlorotoluene	12.65	91	3741	0.591	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	4226	0.577	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.28	75	457m	0.432	ug/l	
82) 4-Chlorotoluene	12.75	91	3602m	0.560	ug/l	
83) tert-Butylbenzene	12.97	119	3446	0.554	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	3780	0.519	ug/l	96
85) sec-Butylbenzene	13.15	105	4261	0.517	ug/l	94
86) p-Isopropyltoluene	13.26	119	3455	0.486	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2130	0.608	ug/l	87
88) 1,4-Dichlorobenzene	13.34	146	2146m	0.595	ug/l	
89) n-Butylbenzene	13.59	91	3173	0.506	ug/l	92
90) Hexachloroethane	13.85	117	901	0.644	ug/l	79
91) 1,2-Dichlorobenzene	13.63	146	1809	0.534	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	171	0.312	ug/l #	43

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	593	0.388	ug/l #	79
94) Hexachlorobutadiene	14.98	225	585	0.650	ug/l	72
95) Naphthalene	15.11	128	2247	0.522	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.28	180	740	0.466	ug/l #	73

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

