

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060573.D
 Acq On : 17 Mar 2020 22:59
 Operator : JC/MD
 Sample : L1161-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:02:24 PM

Quant Time: Mar 18 09:18:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	357250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140811	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.57	113	103761	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.08	98	413459	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
62) 4-Bromofluorobenzene	12.40	95	143228	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	4939	2.422	ug/l	95
3) Chloromethane	2.04	50	9346	2.454	ug/l	97
4) Vinyl Chloride	2.16	62	7094	2.381	ug/l	98
5) Bromomethane	2.55	94	3473	2.701	ug/l	97
6) Chloroethane	2.69	64	4345	2.532	ug/l	100
7) Trichlorofluoromethane	3.00	101	9586	2.612	ug/l	94
8) Diethyl Ether	3.38	74	3972	2.694	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	5493	2.583	ug/l	99
10) Methyl Iodide	3.93	142	4657	2.461	ug/l #	97
11) Tert butyl alcohol	4.73	59	5235	12.303	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	6076	2.663	ug/l	92
13) Acrolein	3.58	56	4938	10.471	ug/l	97
14) Allyl chloride	4.29	41	10191	2.539	ug/l	99
15) Acrylonitrile	4.96	53	14093	11.264	ug/l	99
16) Acetone	3.79	43	12568	12.264	ug/l	96
17) Carbon Disulfide	4.03	76	18296	2.636	ug/l	98
18) Methyl Acetate	4.30	43	7186	2.491	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	20371	2.597	ug/l	95
20) Methylene Chloride	4.53	84	6339	2.514	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	6364	2.617	ug/l	97
22) Diisopropyl ether	5.92	45	21443	2.529	ug/l	93
23) Vinyl Acetate	5.86	43	83935	12.133	ug/l	99
24) 1,1-Dichloroethane	5.82	63	12324	2.666	ug/l #	95
25) 2-Butanone	6.80	43	19852	11.971	ug/l	97
26) 2,2-Dichloropropane	6.79	77	8691	2.390	ug/l	80
27) cis-1,2-Dichloroethene	6.80	96	6981	2.526	ug/l	97
28) Bromochloromethane	7.17	49	5043	2.280	ug/l #	94
29) Tetrahydrofuran	7.18	42	14555	12.405	ug/l	98
30) Chloroform	7.35	83	11106	2.506	ug/l	95
31) Cyclohexane	7.63	56	15347	3.294	ug/l #	67
32) 1,1,1-Trichloroethane	7.55	97	9703	2.540	ug/l	99
36) 1,1-Dichloropropene	7.77	75	8791	2.541	ug/l	99
37) Ethyl Acetate	6.91	43	8186	2.190	ug/l #	94
38) Carbon Tetrachloride	7.75	117	7714	2.488	ug/l	95

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

39) Methylcyclohexane	9.07	83	10714	2.606	ug/l	96
40) Benzene	8.02	78	26480	2.536	ug/l	98
41) Methacrylonitrile	7.15	41	4281	2.684	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	8993	2.520	ug/l	96
43) Isopropyl Acetate	8.14	43	15009	2.435	ug/l	99
44) Trichloroethene	8.82	130	6738	2.560	ug/l	99
45) 1,2-Dichloropropane	9.10	63	6963	2.527	ug/l	96
46) Dibromomethane	9.19	93	4357	2.615	ug/l	98
47) Bromodichloromethane	9.39	83	8721	2.519	ug/l	98
48) Methyl methacrylate	9.18	41	6510	2.372	ug/l	93
49) 1,4-Dioxane	9.18	88	1471	45.092	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	41819	11.922	ug/l	99
52) Toluene	10.14	92	15897	2.521	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	10023	2.521	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	10708	2.455	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	5989	2.468	ug/l	97
56) Ethyl methacrylate	10.42	69	8155	2.156	ug/l	95
57) 1,3-Dichloropropane	10.70	76	10764	2.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	20350	10.823	ug/l	99
59) 2-Hexanone	10.74	43	28286	11.194	ug/l	98
60) Dibromochloromethane	10.89	129	6030	2.406	ug/l	100
61) 1,2-Dibromoethane	11.00	107	6008	2.463	ug/l	98
64) Tetrachloroethene	10.62	164	7383	2.959	ug/l	92
65) Chlorobenzene	11.43	112	16223	2.581	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	5680	2.496	ug/l	98
67) Ethyl Benzene	11.50	91	30226	2.586	ug/l	99
68) m/p-Xylenes	11.61	106	21698	4.995	ug/l	97
69) o-Xylene	11.94	106	10836	2.613	ug/l	97
70) Styrene	11.96	104	15487	2.284	ug/l	98
71) Bromoform	12.12	173	3882	2.286	ug/l #	98
73) Isopropylbenzene	12.24	105	27616	2.643	ug/l	100
74) N-amyl acetate	12.07	43	11725	2.429	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	8191	2.593	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	7509m	2.500	ug/l	
77) Bromobenzene	12.52	156	6785	2.695	ug/l	95
78) n-propylbenzene	12.59	91	33121	2.683	ug/l	100
79) 2-Chlorotoluene	12.67	91	19743	2.677	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	23330	2.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	2655	2.270	ug/l	98
82) 4-Chlorotoluene	12.77	91	19657	2.617	ug/l	100
83) tert-Butylbenzene	12.99	119	19648	2.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	22929	2.614	ug/l	98
85) sec-Butylbenzene	13.17	105	26065	2.637	ug/l	98
86) p-Isopropyltoluene	13.28	119	22916	2.579	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	11246	2.533	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	11646	2.611	ug/l	89
89) n-Butylbenzene	13.61	91	20107	2.506	ug/l	99
90) Hexachloroethane	13.87	117	2972	2.301	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	11193	2.636	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1961	2.765	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5901	2.263	ug/l	99
94) Hexachlorobutadiene	15.01	225	3221	2.520	ug/l	98
95) Naphthalene	15.13	128	16539	2.109	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	5886	2.292	ug/l	98

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

