

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060572.D
 Acq On : 17 Mar 2020 22:36
 Operator : JC/MD
 Sample : L1161-07 .75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 09:17:42 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	208508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	359678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140868	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.56	113	102916	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.08	98	410889	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
62) 4-Bromofluorobenzene	12.40	95	140260	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1577	0.782	ug/l	96
3) Chloromethane	2.04	50	3162	0.839	ug/l #	88
4) Vinyl Chloride	2.16	62	2519	0.855	ug/l	97
5) Bromomethane	2.54	94	1197	0.941	ug/l	94
6) Chloroethane	2.69	64	1282	0.755	ug/l	95
7) Trichlorofluoromethane	3.01	101	2988	0.823	ug/l	92
8) Diethyl Ether	3.39	74	1114	0.764	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1685	0.801	ug/l #	75
10) Methyl Iodide	3.94	142	1593	0.851	ug/l #	80
11) Tert butyl alcohol	4.73	59	1644m	3.905	ug/l	
12) 1,1-Dichloroethene	3.71	96	2085	0.924	ug/l	91
13) Acrolein	3.59	56	1205	2.583	ug/l	89
14) Allyl chloride	4.30	41	3397	0.856	ug/l #	90
15) Acrylonitrile	4.96	53	4236	3.422	ug/l #	93
16) Acetone	3.79	43	4000	3.945	ug/l	97
17) Carbon Disulfide	4.03	76	6713	0.978	ug/l	97
18) Methyl Acetate	4.30	43	2288	0.802	ug/l #	69
19) Methyl tert-butyl Ether	5.01	73	6425	0.828	ug/l	99
20) Methylene Chloride	4.52	84	1999	0.801	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	2036m	0.846	ug/l	
22) Diisopropyl ether	5.92	45	6676	0.796	ug/l #	89
23) Vinyl Acetate	5.87	43	25168	3.677	ug/l	99
24) 1,1-Dichloroethane	5.82	63	3685	0.806	ug/l #	85
25) 2-Butanone	6.81	43	6246	3.807	ug/l	93
26) 2,2-Dichloropropane	6.80	77	2768	0.769	ug/l #	75
27) cis-1,2-Dichloroethene	6.80	96	2237	0.818	ug/l	97
28) Bromochloromethane	7.17	49	1443m	0.660	ug/l	
29) Tetrahydrofuran	7.19	42	4599	3.962	ug/l	93
30) Chloroform	7.35	83	3621	0.826	ug/l	98
31) Cyclohexane	7.64	56	8153	1.768	ug/l #	38
32) 1,1,1-Trichloroethane	7.54	97	3121	0.826	ug/l #	52
36) 1,1-Dichloropropene	7.77	75	2918	0.838	ug/l	95
37) Ethyl Acetate	6.90	43	3494	0.928	ug/l #	70
38) Carbon Tetrachloride	7.76	117	2384	0.764	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	3455	0.835	ug/l	93
40) Benzene	8.02	78	8755	0.833	ug/l	97
41) Methacrylonitrile	7.15	41	1107m	0.689	ug/l	
42) 1,2-Dichloroethane	8.11	62	3079	0.857	ug/l	78
43) Isopropyl Acetate	8.14	43	4752	0.766	ug/l #	72
44) Trichloroethene	8.82	130	2380	0.898	ug/l	85
45) 1,2-Dichloropropane	9.10	63	2308	0.832	ug/l #	87
46) Dibromomethane	9.19	93	1299	0.775	ug/l	97
47) Bromodichloromethane	9.39	83	2462	0.706	ug/l #	95
48) Methyl methacrylate	9.18	41	2131	0.771	ug/l	88
49) 1,4-Dioxane	9.17	88	416	12.666	ug/l #	58
51) 4-Methyl-2-Pentanone	9.97	43	13186	3.734	ug/l	98
52) Toluene	10.14	92	5080	0.800	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	3200	0.799	ug/l #	89
54) cis-1,3-Dichloropropene	9.83	75	3278	0.746	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	1755	0.718	ug/l	95
56) Ethyl methacrylate	10.42	69	2358	0.619	ug/l	90
57) 1,3-Dichloropropane	10.70	76	3450	0.814	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	5881	3.107	ug/l	99
59) 2-Hexanone	10.74	43	8543	3.358	ug/l	99
60) Dibromochloromethane	10.89	129	1758	0.697	ug/l	96
61) 1,2-Dibromoethane	11.00	107	1793	0.730	ug/l	95
64) Tetrachloroethene	10.62	164	2336	0.934	ug/l	93
65) Chlorobenzene	11.43	112	5399	0.857	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.50	131	1634	0.716	ug/l #	55
67) Ethyl Benzene	11.51	91	9755	0.833	ug/l	98
68) m/p-Xylenes	11.62	106	7007	1.610	ug/l	97
69) o-Xylene	11.94	106	3308	0.796	ug/l	94
70) Styrene	11.96	104	4772	0.702	ug/l	99
71) Bromoform	12.12	173	1216	0.714	ug/l #	79
73) Isopropylbenzene	12.24	105	8753	0.862	ug/l	98
74) N-amyl acetate	12.07	43	3784	0.807	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	2456	0.800	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	2423m	0.830	ug/l	
77) Bromobenzene	12.52	156	2212	0.905	ug/l	96
78) n-propylbenzene	12.59	91	10089	0.841	ug/l	97
79) 2-Chlorotoluene	12.67	91	6285	0.877	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7217	0.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	766m	0.674	ug/l	
82) 4-Chlorotoluene	12.77	91	6722	0.921	ug/l	97
83) tert-Butylbenzene	12.99	119	6111	0.856	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	7413	0.870	ug/l	99
85) sec-Butylbenzene	13.17	105	8345	0.869	ug/l	99
86) p-Isopropyltoluene	13.28	119	7060	0.818	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	3574	0.829	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	4181m	0.965	ug/l	
89) n-Butylbenzene	13.61	91	6556	0.841	ug/l	99
90) Hexachloroethane	13.87	117	837	0.667	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	3696	0.896	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	603	0.875	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2012	0.794	ug/l	96
94) Hexachlorobutadiene	15.01	225	1101	0.887	ug/l	93
95) Naphthalene	15.13	128	5708	0.749	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	2030	0.814	ug/l	97

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

