

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077714.D
 Acq On : 17 May 2023 15:20
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: May 18 02:42:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 02:40:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

05/18/2023
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	357876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	657380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	563085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	219028	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	284748	53.177	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.360%	
35) Dibromofluoromethane	8.171	113	226921	52.936	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.880%	
50) Toluene-d8	10.570	98	848646	51.434	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.859	95	267668	45.933	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.860%	

Target Compounds				Qvalue		
3) Chloromethane	2.365	50	1944	0.398	ug/l	92
4) Vinyl Chloride	2.524	62	1190	0.232	ug/l #	1
5) Bromomethane	2.965	94	2009	0.529	ug/l	90
6) Chloroethane	3.130	64	935m	0.253	ug/l	
7) Trichlorofluoromethane	3.494	101	1611	0.225	ug/l #	67
10) Methyl Iodide	4.612	142	1756	0.372	ug/l #	38
11) Tert butyl alcohol	5.524	59	1352m	1.829	ug/l	
13) Acrolein	4.183	56	910m	1.732	ug/l	
15) Acrylonitrile	5.741	53	2299m	1.164	ug/l	
16) Acetone	4.465	43	3276	1.945	ug/l #	40
18) Methyl Acetate	5.036	43	1452	0.205	ug/l #	75
20) Methylene Chloride	5.283	84	2442	0.484	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	997m	0.236	ug/l	
23) Vinyl Acetate	6.618	43	6837	0.851	ug/l	95
24) 1,1-Dichloroethane	6.588	63	1610m	0.203	ug/l	
25) 2-Butanone	7.500	43	2660	1.009	ug/l #	58
28) Bromochloromethane	7.812	49	848	0.247	ug/l #	38
29) Tetrahydrofuran	7.865	42	2295m	1.330	ug/l	
30) Chloroform	7.982	83	2576m	0.295	ug/l	
32) 1,1,1-Trichloroethane	8.171	97	1620	0.218	ug/l #	24
36) 1,1-Dichloropropene	8.382	75	1485	0.237	ug/l #	80
39) Methylcyclohexane	9.618	83	1990m	0.259	ug/l	
40) Benzene	8.612	78	4213	0.228	ug/l #	86
42) 1,2-Dichloroethane	8.682	62	1878	0.279	ug/l #	73
43) Isopropyl Acetate	8.706	43	1833m	0.201	ug/l	
44) Trichloroethene	9.353	130	1123m	0.240	ug/l	
45) 1,2-Dichloropropane	9.635	63	995m	0.211	ug/l	
46) Dibromomethane	9.712	93	701	0.208	ug/l #	84
48) Methyl methacrylate	9.694	41	1122	0.259	ug/l #	69
49) 1,4-Dioxane	9.700	88	139m	1.700	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	5231	0.964	ug/l	94
52) Toluene	10.635	92	2557	0.222	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	1574	0.209	ug/l #	85
56) Ethyl methacrylate	10.888	69	1489	0.215	ug/l #	65
57) 1,3-Dichloropropane	11.176	76	1797	0.229	ug/l #	75
58) 2-Chloroethyl Vinyl ether	10.170	63	3461	1.017	ug/l #	83

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) 2-Hexanone	11.206	43	4396	1.095	ug/l	93
60) Dibromochloromethane	11.359	129	999	0.212	ug/l	97
61) 1,2-Dibromoethane	11.465	107	1303	0.286	ug/l #	77
64) Tetrachloroethene	11.112	164	1291	0.328	ug/l	92
65) Chlorobenzene	11.900	112	3041	0.249	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.964	131	973	0.230	ug/l #	58
67) Ethyl Benzene	11.970	91	4818	0.220	ug/l #	86
68) m/p-Xylenes	12.082	106	3791	0.457	ug/l	90
69) o-Xylene	12.400	106	1682	0.206	ug/l	94
70) Styrene	12.423	104	3099	0.239	ug/l	92
73) Isopropylbenzene	12.700	105	4056	0.215	ug/l	83
74) N-amyl acetate	12.500	43	1789	0.256	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	1453	0.250	ug/l #	92
76) 1,2,3-Trichloropropane	12.994	75	1535m	0.280	ug/l	
77) Bromobenzene	12.988	156	1204	0.279	ug/l	79
78) n-propylbenzene	13.047	91	4948	0.222	ug/l	98
79) 2-Chlorotoluene	13.135	91	3287	0.247	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	3719	0.234	ug/l	87
82) 4-Chlorotoluene	13.229	91	3904	0.295	ug/l	85
83) tert-Butylbenzene	13.447	119	3040	0.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.494	105	3611	0.231	ug/l	89
85) sec-Butylbenzene	13.629	105	4097	0.208	ug/l	98
86) p-Isopropyltoluene	13.741	119	3583	0.228	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	2591	0.325	ug/l	92
88) 1,4-Dichlorobenzene	13.817	146	2653m	0.336	ug/l	
89) n-Butylbenzene	14.058	91	3374	0.234	ug/l	91
91) 1,2-Dichlorobenzene	14.111	146	1839	0.247	ug/l	80
93) 1,2,4-Trichlorobenzene	15.400	180	2114	0.486	ug/l #	59
95) Naphthalene	15.641	128	5787	0.387	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	1812	0.425	ug/l	94

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

