

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079858.D
 Acq On : 03 Nov 2023 18:51
 Operator : JC\MD
 Sample : 04699-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Nov 04 03:50:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 04 03:49:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/04/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	249078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	460238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	411057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	240762	63.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.900%#			
35) Dibromofluoromethane	8.171	113	183011	56.184	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.360%			
50) Toluene-d8	10.570	98	611509	50.995	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.853	95	179011	45.011	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1816	0.605	ug/l	75
3) Chloromethane	2.359	50	2987	0.717	ug/l #	83
4) Vinyl Chloride	2.512	62	3405	0.867	ug/l	90
5) Bromomethane	2.947	94	2409	1.010	ug/l	97
6) Chloroethane	3.106	64	2748m	0.886	ug/l	
7) Trichlorofluoromethane	3.494	101	4632	0.948	ug/l	88
8) Diethyl Ether	3.971	74	877m	0.473	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.365	101	1540m	0.544	ug/l	
10) Methyl Iodide	4.606	142	1491	0.461	ug/l #	90
11) Tert butyl alcohol	5.530	59	2575m	5.316	ug/l	
12) 1,1-Dichloroethene	4.347	96	1298	0.484	ug/l	93
13) Acrolein	4.171	56	992	2.503	ug/l #	16
14) Allyl chloride	5.036	41	2320	0.565	ug/l #	71
15) Acrylonitrile	5.730	53	4127	2.734	ug/l	88
16) Acetone	4.430	43	4498m	3.374	ug/l	
17) Carbon Disulfide	4.712	76	4887	0.632	ug/l #	79
18) Methyl Acetate	5.036	43	4176	0.655	ug/l #	76
19) Methyl tert-butyl Ether	5.806	73	4344	0.471	ug/l #	64
20) Methylene Chloride	5.283	84	2525	0.751	ug/l #	67
21) trans-1,2-Dichloroethene	5.800	96	1699	0.568	ug/l	89
22) Diisopropyl ether	6.688	45	4528	0.476	ug/l #	86
23) Vinyl Acetate	6.606	43	11706	2.230	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	3570	0.617	ug/l #	81
25) 2-Butanone	7.500	43	5577	2.857	ug/l #	72
26) 2,2-Dichloropropane	7.500	77	2303	0.481	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	1936	0.541	ug/l	82
28) Bromochloromethane	7.818	49	1829	0.649	ug/l #	46
29) Tetrahydrofuran	7.853	42	3049	2.401	ug/l #	60
30) Chloroform	7.971	83	4387	0.698	ug/l	85
31) Cyclohexane	8.224	56	8723	1.740	ug/l #	49
32) 1,1,1-Trichloroethane	8.165	97	3191	0.623	ug/l #	44
36) 1,1-Dichloropropene	8.376	75	2543m	0.547	ug/l	
37) Ethyl Acetate	7.577	43	2530	0.593	ug/l #	63
38) Carbon Tetrachloride	8.359	117	2732	0.583	ug/l #	87
39) Methylcyclohexane	9.606	83	1872	0.428	ug/l #	86
40) Benzene	8.612	78	7735	0.555	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1019m	0.450	ug/l	
42) 1,2-Dichloroethane	8.676	62	3474	0.714	ug/l	84
43) Isopropyl Acetate	8.694	43	3802	0.508	ug/l #	86
44) Trichloroethene	9.353	130	1784	0.516	ug/l	81
45) 1,2-Dichloropropane	9.623	63	2018	0.567	ug/l	96
46) Dibromomethane	9.718	93	1544	0.635	ug/l #	87
47) Bromodichloromethane	9.894	83	3058	0.590	ug/l #	77
48) Methyl methacrylate	9.688	41	1698	0.518	ug/l #	67
49) 1,4-Dioxane	9.706	88	513	8.861	ug/l #	70
51) 4-Methyl-2-Pentanone	10.453	43	9968	2.367	ug/l #	79
52) Toluene	10.629	92	4170	0.505	ug/l	89
53) t-1,3-Dichloropropene	10.841	75	2430	0.478	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	2632	0.475	ug/l #	91
55) 1,1,2-Trichloroethane	11.023	97	2005	0.604	ug/l #	78
56) Ethyl methacrylate	10.882	69	1814	0.383	ug/l #	76
57) 1,3-Dichloropropane	11.176	76	2950	0.504	ug/l	89
58) 2-Chloroethyl Vinyl ether	10.165	63	4996	2.080	ug/l #	80
59) 2-Hexanone	11.206	43	6593	2.046	ug/l	77
60) Dibromochloromethane	11.365	129	1957	0.550	ug/l	92
61) 1,2-Dibromoethane	11.476	107	1609	0.483	ug/l	94
64) Tetrachloroethene	11.106	164	1987	0.746	ug/l #	75
65) Chlorobenzene	11.894	112	4539	0.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	1972	0.614	ug/l #	63
67) Ethyl Benzene	11.964	91	6990	0.450	ug/l	93
68) m/p-Xylenes	12.076	106	4695	0.811	ug/l	99
69) o-Xylene	12.406	106	2308	0.414	ug/l	98
70) Styrene	12.417	104	2994	0.334	ug/l #	79
71) Bromoform	12.576	173	1064	0.466	ug/l #	93
73) Isopropylbenzene	12.700	105	5347	0.467	ug/l	96
74) N-amyl acetate	12.500	43	1912	0.383	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.935	83	2947	0.727	ug/l	87
76) 1,2,3-Trichloropropane	12.994	75	2687m	0.759	ug/l	
77) Bromobenzene	12.982	156	2133	0.762	ug/l	86
78) n-propylbenzene	13.041	91	6003	0.458	ug/l	96
79) 2-Chlorotoluene	13.129	91	4106	0.491	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	4271	0.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	627m	0.482	ug/l	
82) 4-Chlorotoluene	13.229	91	3881	0.467	ug/l	97
83) tert-Butylbenzene	13.441	119	2939	0.403	ug/l	72
84) 1,2,4-Trimethylbenzene	13.482	105	3270	0.373	ug/l	98
85) sec-Butylbenzene	13.629	105	3660	0.363	ug/l	95
86) p-Isopropyltoluene	13.729	119	2957	0.359	ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	2852	0.547	ug/l	93
88) 1,4-Dichlorobenzene	13.811	146	3148m	0.595	ug/l	
89) n-Butylbenzene	14.064	91	3036	0.428	ug/l	96
90) Hexachloroethane	14.329	117	1083	0.665	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	2593	0.527	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.735	75	368m	0.535	ug/l	
93) 1,2,4-Trichlorobenzene	15.394	180	1106	0.473	ug/l	95
94) Hexachlorobutadiene	15.494	225	539	0.508	ug/l #	58
95) Naphthalene	15.652	128	2513m	0.317	ug/l	
96) 1,2,3-Trichlorobenzene	15.829	180	1113m	0.486	ug/l	

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

