

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078481.D
 Acq On : 12 Jul 2023 15:26
 Operator : JC\MD
 Sample : 03572-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 13 06:25:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 06:25:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	450874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	784831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	662321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	208598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	337607	55.854	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.700%			
35) Dibromofluoromethane	8.177	113	288514	54.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	10.576	98	1054582	52.398	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.853	95	296483	47.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	16351	2.958	ug/l	83
3) Chloromethane	2.371	50	16684	2.777	ug/l	97
4) Vinyl Chloride	2.518	62	22124	2.846	ug/l	95
5) Bromomethane	2.959	94	16616	2.994	ug/l	94
6) Chloroethane	3.118	64	15589	2.967	ug/l	91
7) Trichlorofluoromethane	3.500	101	26617	2.865	ug/l	100
8) Diethyl Ether	3.977	74	8286	2.677	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.377	101	14203	2.888	ug/l #	88
10) Methyl Iodide	4.600	142	15643	2.315	ug/l	96
11) Tert butyl alcohol	5.547	59	12026m	12.902	ug/l	
12) 1,1-Dichloroethene	4.353	96	13535	2.845	ug/l	89
13) Acrolein	4.189	56	9633	10.505	ug/l	99
14) Allyl chloride	5.030	41	17465	2.687	ug/l	92
15) Acrylonitrile	5.741	53	30631	13.007	ug/l	100
16) Acetone	4.447	43	28503	15.138	ug/l	92
17) Carbon Disulfide	4.712	76	34141	2.482	ug/l #	94
18) Methyl Acetate	5.041	43	22481	2.821	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	40870	2.607	ug/l #	90
20) Methylene Chloride	5.283	84	17583	2.893	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	13525	2.523	ug/l	90
22) Diisopropyl ether	6.683	45	36738	2.524	ug/l #	86
23) Vinyl Acetate	6.624	43	115906	12.525	ug/l #	84
24) 1,1-Dichloroethane	6.583	63	27298	2.783	ug/l	94
25) 2-Butanone	7.500	43	40104	13.531	ug/l	90
26) 2,2-Dichloropropane	7.488	77	22514m	2.806	ug/l	
27) cis-1,2-Dichloroethene	7.494	96	16978	2.738	ug/l	95
28) Bromochloromethane	7.824	49	11519	2.493	ug/l	99
29) Tetrahydrofuran	7.853	42	24711	12.706	ug/l	86
30) Chloroform	7.977	83	29199	2.859	ug/l	94
31) Cyclohexane	8.265	56	29824	3.651	ug/l #	79
32) 1,1,1-Trichloroethane	8.177	97	25389	2.773	ug/l #	85
36) 1,1-Dichloropropene	8.382	75	18975	2.467	ug/l	97
37) Ethyl Acetate	7.577	43	17418	2.716	ug/l #	97
38) Carbon Tetrachloride	8.365	117	21349	2.553	ug/l	96
39) Methylcyclohexane	9.606	83	18054	2.571	ug/l #	85
40) Benzene	8.612	78	59438	2.608	ug/l	94

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41) Methacrylonitrile	7.788	41	8902	2.723	ug/l	89
42) 1,2-Dichloroethane	8.682	62	20812	2.685	ug/l	100
43) Isopropyl Acetate	8.700	43	28501	2.700	ug/l	98
44) Trichloroethene	9.371	130	16262	2.647	ug/l	74
45) 1,2-Dichloropropane	9.635	63	15984	2.769	ug/l #	79
46) Dibromomethane	9.712	93	10399	2.560	ug/l #	86
47) Bromodichloromethane	9.894	83	21435	2.632	ug/l	97
48) Methyl methacrylate	9.688	41	11642	2.380	ug/l	89
49) 1,4-Dioxane	9.700	88	5485	51.420	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	77914	12.407	ug/l	92
52) Toluene	10.641	92	37276	2.639	ug/l	93
53) t-1,3-Dichloropropene	10.841	75	19685	2.359	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	23187	2.607	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	15148	2.722	ug/l	93
56) Ethyl methacrylate	10.876	69	20114	2.586	ug/l	95
57) 1,3-Dichloropropane	11.170	76	25024	2.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.171	63	29751	10.731	ug/l	96
59) 2-Hexanone	11.206	43	57556	12.896	ug/l	88
60) Dibromochloromethane	11.365	129	17217	2.802	ug/l	90
61) 1,2-Dibromoethane	11.476	107	14901	2.599	ug/l	100
64) Tetrachloroethene	11.112	164	14852	2.983	ug/l #	86
65) Chlorobenzene	11.900	112	38023	2.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.970	131	14516	2.549	ug/l	95
67) Ethyl Benzene	11.970	91	63080	2.521	ug/l #	88
68) m/p-Xylenes	12.076	106	45817	4.952	ug/l	100
69) o-Xylene	12.400	106	22258	2.382	ug/l	99
70) Styrene	12.423	104	31471	2.153	ug/l	97
71) Bromoform	12.582	173	9236	2.395	ug/l #	91
73) Isopropylbenzene	12.700	105	53885	2.749	ug/l	100
74) N-amyl acetate	12.500	43	18195	2.694	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	21079	3.185	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	17136m	3.399	ug/l	
77) Bromobenzene	12.982	156	13863	2.880	ug/l	100
78) n-propylbenzene	13.041	91	58424	2.787	ug/l	96
79) 2-Chlorotoluene	13.129	91	37885	2.759	ug/l	92
80) 1,3,5-Trimethylbenzene	13.182	105	43016	2.778	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	5713m	2.977	ug/l	
82) 4-Chlorotoluene	13.229	91	34288	2.677	ug/l	99
83) tert-Butylbenzene	13.447	119	36798	2.799	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	38089	2.532	ug/l	100
85) sec-Butylbenzene	13.623	105	43467	2.615	ug/l	93
86) p-Isopropyltoluene	13.735	119	33903	2.540	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	19538	2.597	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	18712	2.469	ug/l	84
89) n-Butylbenzene	14.059	91	22416	2.348	ug/l	98
90) Hexachloroethane	14.335	117	8190	2.904	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	18705	2.498	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2789	2.556	ug/l	94
93) 1,2,4-Trichlorobenzene	15.405	180	4125	1.726	ug/l	93
94) Hexachlorobutadiene	15.511	225	4299	2.749	ug/l	86
95) Naphthalene	15.647	128	13522	1.655	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	4774m	1.737	ug/l	

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

