

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078479.D
 Acq On : 12 Jul 2023 14:04
 Operator : JC\MD
 Sample : 03572-09 .5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 13 04:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 04:30:43 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	8.235	168	475960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	835119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	702722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	362685	56.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.680%			
35) Dibromofluoromethane	8.177	113	311181	54.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.780%			
50) Toluene-d8	10.576	98	1115894	52.106	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.220%			
62) 4-Bromofluorobenzene	12.859	95	314826	47.726	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	3211	0.550	ug/l	98
3) Chloromethane	2.371	50	3837	0.605	ug/l	88
4) Vinyl Chloride	2.524	62	5499	0.670	ug/l	96
5) Bromomethane	2.965	94	6342	1.082	ug/l #	67
6) Chloroethane	3.142	64	6330	1.141	ug/l #	61
7) Trichlorofluoromethane	3.495	101	5701	0.581	ug/l #	76
8) Diethyl Ether	3.971	74	1909	0.584	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	2754	0.530	ug/l #	84
10) Methyl Iodide	4.606	142	2494	0.350	ug/l #	74
11) Tert butyl alcohol	5.524	59	2807	2.853	ug/l #	78
12) 1,1-Dichloroethene	4.342	96	1259	0.251	ug/l #	48
13) Acrolein	4.200	56	2471	2.553	ug/l #	81
14) Allyl chloride	5.042	41	3316	0.483	ug/l #	87
15) Acrylonitrile	5.736	53	6485	2.609	ug/l #	90
16) Acetone	4.459	43	6421	3.231	ug/l #	68
17) Carbon Disulfide	4.712	76	8585	0.591	ug/l	98
18) Methyl Acetate	5.047	43	3122	0.371	ug/l #	51
19) Methyl tert-butyl Ether	5.812	73	7979	0.482	ug/l #	85
20) Methylene Chloride	5.277	84	5421m	0.845	ug/l	
21) trans-1,2-Dichloroethene	5.789	96	1451	0.256	ug/l #	32
22) Diisopropyl ether	6.683	45	6937	0.451	ug/l #	73
23) Vinyl Acetate	6.624	43	20722	2.121	ug/l #	80
24) 1,1-Dichloroethane	6.583	63	6105	0.590	ug/l #	81
25) 2-Butanone	7.506	43	9606	3.070	ug/l #	72
26) 2,2-Dichloropropane	7.494	77	4619	0.545	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	3670	0.561	ug/l	96
28) Bromochloromethane	7.818	49	1882	0.386	ug/l #	88
29) Tetrahydrofuran	7.853	42	4721	2.300	ug/l #	78
30) Chloroform	7.977	83	6317	0.586	ug/l	92
31) Cyclohexane	8.230	56	15209	1.764	ug/l #	43
32) 1,1,1-Trichloroethane	8.165	97	5003	0.518	ug/l #	44
36) 1,1-Dichloropropene	8.388	75	4375	0.534	ug/l #	79
37) Ethyl Acetate	7.577	43	3961	0.580	ug/l #	79
38) Carbon Tetrachloride	8.365	117	5229	0.588	ug/l #	78
39) Methylcyclohexane	9.606	83	3948	0.528	ug/l #	90
40) Benzene	8.618	78	11578	0.477	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	1631	0.469	ug/l #	45
42) 1,2-Dichloroethane	8.682	62	5576	0.676	ug/l	93
43) Isopropyl Acetate	8.694	43	5099	0.454	ug/l #	93
44) Trichloroethene	9.359	130	3488	0.534	ug/l	94
45) 1,2-Dichloropropane	9.629	63	3070	0.500	ug/l #	25
46) Dibromomethane	9.729	93	2113	0.489	ug/l	94
47) Bromodichloromethane	9.888	83	4438	0.512	ug/l #	91
48) Methyl methacrylate	9.694	41	2853	0.548	ug/l	88
49) 1,4-Dioxane	9.706	88	908	8.000	ug/l #	68
51) 4-Methyl-2-Pentanone	10.459	43	15316	2.292	ug/l	91
52) Toluene	10.635	92	8223	0.547	ug/l	86
53) t-1,3-Dichloropropene	10.841	75	4224	0.476	ug/l #	87
54) cis-1,3-Dichloropropene	10.318	75	4183	0.442	ug/l #	88
55) 1,1,2-Trichloroethane	11.023	97	3378	0.570	ug/l #	80
56) Ethyl methacrylate	10.876	69	3597	0.435	ug/l #	62
57) 1,3-Dichloropropane	11.171	76	4794	0.476	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.171	63	5464	1.852	ug/l	97
59) 2-Hexanone	11.206	43	10840	2.283	ug/l	100
60) Dibromochloromethane	11.365	129	3226	0.493	ug/l	99
61) 1,2-Dibromoethane	11.470	107	2817	0.462	ug/l	93
64) Tetrachloroethene	11.112	164	2894	0.548	ug/l #	71
65) Chlorobenzene	11.894	112	8810	0.561	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.970	131	2833	0.469	ug/l #	58
67) Ethyl Benzene	11.965	91	11919	0.449	ug/l #	88
68) m/p-Xylenes	12.082	106	9502	0.968	ug/l	86
69) o-Xylene	12.400	106	4867	0.491	ug/l	92
70) Styrene	12.417	104	6778	0.437	ug/l	93
71) Bromoform	12.588	173	1995	0.487	ug/l #	94
73) Isopropylbenzene	12.700	105	10079	0.509	ug/l	96
74) N-amyl acetate	12.500	43	3963	0.581	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.947	83	3855	0.576	ug/l	72
76) 1,2,3-Trichloropropane	13.000	75	3409m	0.669	ug/l	
77) Bromobenzene	12.982	156	2633	0.541	ug/l	81
78) n-propylbenzene	13.041	91	11343	0.535	ug/l	89
79) 2-Chlorotoluene	13.135	91	7498	0.540	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	7799	0.498	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.765	75	953m	0.491	ug/l	
82) 4-Chlorotoluene	13.223	91	6056	0.468	ug/l	99
83) tert-Butylbenzene	13.441	119	6977	0.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	6553	0.431	ug/l	99
85) sec-Butylbenzene	13.617	105	9104	0.542	ug/l	94
86) p-Isopropyltoluene	13.735	119	6465	0.479	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	3730	0.491	ug/l	97
88) 1,4-Dichlorobenzene	13.741	146	3730	0.487	ug/l	97
89) n-Butylbenzene	14.070	91	4440	0.460	ug/l	91
90) Hexachloroethane	14.335	117	1672	0.587	ug/l	93
91) 1,2-Dichlorobenzene	14.111	146	3902	0.516	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.735	75	757	0.687	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.394	180	769	0.318	ug/l #	77
94) Hexachlorobutadiene	15.511	225	1319	0.835	ug/l	70
95) Naphthalene	15.641	128	4006	0.485	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1805	0.650	ug/l	92

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

