

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079793.D
 Acq On : 02 Nov 2023 13:36
 Operator : JC\MD
 Sample : 04699-08 1.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Nov 03 03:59:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/03/2023
 Supervised By : Mahesh Dadoda 11/03/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	294820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	540529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	465578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	241269	53.715	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.420%
35) Dibromofluoromethane	8.171	113	187077	48.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.800%
50) Toluene-d8	10.571	98	656907	46.643	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.853	95	188702	40.400	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	80.800%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	3576	1.007	ug/l	86
3) Chloromethane	2.359	50	6146	0.710	ug/l	99
4) Vinyl Chloride	2.512	62	4689	1.009	ug/l #	77
5) Bromomethane	2.954	94	4511	1.597	ug/l #	76
6) Chloroethane	3.124	64	4573	1.245	ug/l	97
7) Trichlorofluoromethane	3.501	101	6123	1.059	ug/l	97
8) Diethyl Ether	3.959	74	2263	1.031	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	3372m	1.006	ug/l	
10) Methyl Iodide	4.595	142	4395	1.148	ug/l #	69
11) Tert butyl alcohol	5.506	59	3145	5.485	ug/l #	77
12) 1,1-Dichloroethene	4.342	96	3047	0.960	ug/l	96
13) Acrolein	4.177	56	2121	6.442	ug/l	96
14) Allyl chloride	5.024	41	4539	0.934	ug/l #	82
15) Acrylonitrile	5.730	53	7576	4.240	ug/l #	68
16) Acetone	4.430	43	8692	5.509	ug/l #	71
17) Carbon Disulfide	4.706	76	10054	1.098	ug/l	97
18) Methyl Acetate	5.036	43	7910	1.048	ug/l #	62
19) Methyl tert-butyl Ether	5.795	73	8960	0.820	ug/l	100
20) Methylene Chloride	5.271	84	5089m	1.278	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	3650	1.031	ug/l #	81
22) Diisopropyl ether	6.689	45	10141m	0.900	ug/l	
23) Vinyl Acetate	6.612	43	23773	3.826	ug/l	96
24) 1,1-Dichloroethane	6.577	63	6672	0.975	ug/l #	94
25) 2-Butanone	7.489	43	11231	4.861	ug/l #	79
26) 2,2-Dichloropropane	7.483	77	5598	0.989	ug/l	94
27) cis-1,2-Dichloroethene	7.494	96	3806	0.899	ug/l	77
28) Bromochloromethane	7.818	49	3507	1.051	ug/l #	67
29) Tetrahydrofuran	7.847	42	6369	4.237	ug/l #	74
30) Chloroform	7.971	83	10242	1.377	ug/l	87
31) Cyclohexane	8.224	56	13495	2.274	ug/l #	34
32) 1,1,1-Trichloroethane	8.171	97	6232	1.028	ug/l #	48
36) 1,1-Dichloropropene	8.371	75	5078	0.930	ug/l	95
37) Ethyl Acetate	7.565	43	4454	0.889	ug/l #	67
38) Carbon Tetrachloride	8.359	117	5611	1.019	ug/l #	79
39) Methylcyclohexane	9.606	83	4497	0.875	ug/l #	86
40) Benzene	8.612	78	15427	0.943	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	2057	0.773	ug/l #	69
42) 1,2-Dichloroethane	8.671	62	6853	1.199	ug/l	100
43) Isopropyl Acetate	8.688	43	6981	0.795	ug/l #	81
44) Trichloroethene	9.347	130	3955	0.974	ug/l	79
45) 1,2-Dichloropropane	9.624	63	4183	1.000	ug/l	91
46) Dibromomethane	9.706	93	2680	0.939	ug/l	94
47) Bromodichloromethane	9.894	83	7397	1.215	ug/l	99
48) Methyl methacrylate	9.688	41	3464	0.900	ug/l #	67
49) 1,4-Dioxane	9.712	88	919	13.516	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	19763	3.996	ug/l #	84
52) Toluene	10.630	92	9872	1.018	ug/l	93
53) t-1,3-Dichloropropene	10.841	75	4940	0.828	ug/l #	87
54) cis-1,3-Dichloropropene	10.312	75	5218	0.802	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	4339	1.112	ug/l	97
56) Ethyl methacrylate	10.877	69	3991	0.717	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	6750	0.982	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.165	63	10413	3.692	ug/l #	87
59) 2-Hexanone	11.200	43	13702	3.621	ug/l	84
60) Dibromochloromethane	11.365	129	4068	0.974	ug/l	95
61) 1,2-Dibromoethane	11.477	107	3376	0.862	ug/l	97
64) Tetrachloroethene	11.106	164	3184	1.056	ug/l	94
65) Chlorobenzene	11.888	112	10020	0.992	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	3724	1.023	ug/l #	58
67) Ethyl Benzene	11.965	91	14623	0.831	ug/l	90
68) m/p-Xylenes	12.076	106	9954	1.519	ug/l	100
69) o-Xylene	12.400	106	4707	0.746	ug/l	92
70) Styrene	12.412	104	7261	0.716	ug/l	97
71) Bromoform	12.576	173	2426	0.939	ug/l #	91
73) Isopropylbenzene	12.700	105	10587	0.754	ug/l	97
74) N-amyl acetate	12.500	43	4638	0.756	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	5765	1.157	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	5608m	1.290	ug/l	
77) Bromobenzene	12.982	156	3889	1.131	ug/l	97
78) n-propylbenzene	13.035	91	14572	0.906	ug/l	99
79) 2-Chlorotoluene	13.129	91	9898	0.963	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	8650	0.791	ug/l	96
82) 4-Chlorotoluene	13.223	91	9093	0.890	ug/l	94
83) tert-Butylbenzene	13.435	119	7200	0.805	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	8416	0.783	ug/l	99
85) sec-Butylbenzene	13.623	105	9017	0.727	ug/l	96
86) p-Isopropyltoluene	13.735	119	7394	0.732	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	6100	0.953	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	6694m	1.031	ug/l	
89) n-Butylbenzene	14.059	91	7507	0.862	ug/l	91
90) Hexachloroethane	14.341	117	1891	0.945	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	6046	1.001	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	799	0.946	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	2528	0.880	ug/l	89
94) Hexachlorobutadiene	15.506	225	1582	1.215	ug/l	83
95) Naphthalene	15.635	128	7898	0.811	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	2114	0.751	ug/l	82

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

