

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101024\
 Data File : VN084386.D
 Acq On : 10 Oct 2024 14:09
 Operator : JC\MD
 Sample : P4368-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2024

Quant Time: Oct 11 05:30:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 05:25:25 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	154863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123305	53.701	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.400%			
35) Dibromofluoromethane	8.171	113	96172	53.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.800%			
50) Toluene-d8	10.565	98	338392	51.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.847	95	117728	48.771	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	5059	2.762	ug/l	92
3) Chloromethane	2.365	50	5795	2.771	ug/l	100
4) Vinyl Chloride	2.518	62	5683	2.805	ug/l	100
5) Bromomethane	2.959	94	3731	2.792	ug/l	86
6) Chloroethane	3.118	64	4848m	3.341	ug/l	
7) Trichlorofluoromethane	3.500	101	8941	2.834	ug/l	96
8) Diethyl Ether	3.965	74	2924	2.499	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	4655	2.575	ug/l #	87
10) Methyl Iodide	4.589	142	5357	2.301	ug/l	89
11) Tert butyl alcohol	5.518	59	4641	12.258	ug/l #	76
12) 1,1-Dichloroethene	4.336	96	4754	2.726	ug/l	79
13) Acrolein	4.183	56	3260	7.500	ug/l	99
14) Allyl chloride	5.030	41	7218	2.384	ug/l	94
15) Acrylonitrile	5.712	53	11756	12.296	ug/l	98
16) Acetone	4.441	43	14150	14.346	ug/l	96
17) Carbon Disulfide	4.706	76	13912	2.520	ug/l #	93
18) Methyl Acetate	5.041	43	5536	2.575	ug/l #	51
19) Methyl tert-butyl Ether	5.806	73	13681	2.325	ug/l	96
20) Methylene Chloride	5.277	84	5382	2.684	ug/l #	82
21) trans-1,2-Dichloroethene	5.788	96	4814	2.635	ug/l	96
22) Diisopropyl ether	6.665	45	14550	2.323	ug/l #	85
23) Vinyl Acetate	6.606	43	50319	10.831	ug/l	100
24) 1,1-Dichloroethane	6.559	63	9543	2.724	ug/l #	87
25) 2-Butanone	7.482	43	16181	12.044	ug/l	96
26) 2,2-Dichloropropane	7.500	77	7844	2.484	ug/l	93
27) cis-1,2-Dichloroethene	7.488	96	5670	2.569	ug/l	98
28) Bromochloromethane	7.812	49	4560	2.918	ug/l #	94
29) Tetrahydrofuran	7.847	42	9280	11.193	ug/l	99
30) Chloroform	7.965	83	10070	2.768	ug/l	96
31) Cyclohexane	8.247	56	11157	3.280	ug/l #	88
32) 1,1,1-Trichloroethane	8.171	97	9061	2.773	ug/l #	53
36) 1,1-Dichloropropene	8.365	75	6430	2.458	ug/l	98
37) Ethyl Acetate	7.559	43	7484	2.789	ug/l #	91
38) Carbon Tetrachloride	8.371	117	7725	2.692	ug/l	87
39) Methylcyclohexane	9.594	83	6384	2.193	ug/l	95
40) Benzene	8.606	78	20927	2.568	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	3208	2.202	ug/l	94
42) 1,2-Dichloroethane	8.665	62	7504	2.716	ug/l	98
43) Isopropyl Acetate	8.688	43	12551	2.388	ug/l	95
44) Trichloroethene	9.347	130	5193	2.728	ug/l	91
45) 1,2-Dichloropropane	9.618	63	5283	2.740	ug/l #	86
46) Dibromomethane	9.706	93	3894	2.993	ug/l	99
47) Bromodichloromethane	9.888	83	7626	2.638	ug/l #	96
48) Methyl methacrylate	9.676	41	4701	2.247	ug/l	94
49) 1,4-Dioxane	9.694	88	1743	45.245	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	29943	11.720	ug/l	95
52) Toluene	10.629	92	13275	2.671	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	7089	2.406	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	7695	2.428	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	5028	2.822	ug/l #	88
56) Ethyl methacrylate	10.876	69	6706	2.287	ug/l #	92
57) 1,3-Dichloropropane	11.165	76	7792	2.447	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	14257	10.483	ug/l	97
59) 2-Hexanone	11.194	43	22406	11.734	ug/l	96
60) Dibromochloromethane	11.353	129	5800	2.755	ug/l	93
61) 1,2-Dibromoethane	11.470	107	4825	2.606	ug/l	98
64) Tetrachloroethene	11.100	164	4451	2.618	ug/l	88
65) Chlorobenzene	11.888	112	13524	2.499	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.959	131	4996	2.680	ug/l	98
67) Ethyl Benzene	11.959	91	21565	2.253	ug/l	92
68) m/p-Xylenes	12.070	106	16205	4.578	ug/l	96
69) o-Xylene	12.394	106	6887	2.056	ug/l	90
70) Styrene	12.412	104	11884	2.095	ug/l	95
71) Bromoform	12.576	173	3331	2.427	ug/l #	85
73) Isopropylbenzene	12.694	105	18106	2.225	ug/l	98
74) N-amyl acetate	12.494	43	7793	2.114	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	6758	2.761	ug/l	90
76) 1,2,3-Trichloropropane	12.988	75	8853	4.066	ug/l	62
77) Bromobenzene	12.982	156	5068	2.581	ug/l	95
78) n-propylbenzene	13.035	91	22066	2.340	ug/l	97
79) 2-Chlorotoluene	13.129	91	14819	2.463	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	15236	2.295	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	1889m	2.080	ug/l	
82) 4-Chlorotoluene	13.223	91	14250	2.352	ug/l	99
83) tert-Butylbenzene	13.441	119	11908	2.018	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	14196	2.123	ug/l	100
85) sec-Butylbenzene	13.617	105	16911	2.148	ug/l	99
86) p-Isopropyltoluene	13.729	119	12890	1.980	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	8925	2.423	ug/l	95
88) 1,4-Dichlorobenzene	13.811	146	9869	2.653	ug/l	89
89) n-Butylbenzene	14.053	91	12025	2.037	ug/l	99
90) Hexachloroethane	14.329	117	3581	2.709	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	8659	2.398	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	1301	2.576	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	3731	2.097	ug/l	92
94) Hexachlorobutadiene	15.500	225	2226	2.509	ug/l	84
95) Naphthalene	15.641	128	10474	1.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	3347	1.880	ug/l	97

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

