

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101124\
 Data File : VN084398.D
 Acq On : 11 Oct 2024 14:16
 Operator : JC\MD
 Sample : P4368-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Quant Time: Oct 14 02:54:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 02:44:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	147066	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114712	52.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.165	113	90136	51.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	10.565	98	305699	47.053	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.100%			
62) 4-Bromofluorobenzene	12.847	95	106516	45.003	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	860	0.494	ug/l	88
3) Chloromethane	2.365	50	1403	0.706	ug/l #	72
4) Vinyl Chloride	2.512	62	959	0.498	ug/l #	44
5) Bromomethane	2.959	94	971	0.765	ug/l #	60
6) Chloroethane	3.118	64	1575m	1.143	ug/l	
7) Trichlorofluoromethane	3.495	101	1424	0.475	ug/l	90
8) Diethyl Ether	3.965	74	282	0.254	ug/l	51
9) 1,1,2-Trichlorotrifluo...	4.365	101	416	0.242	ug/l #	70
10) Methyl Iodide	4.589	142	932	0.422	ug/l #	73
11) Tert butyl alcohol	5.506	59	486	1.352	ug/l #	73
12) 1,1-Dichloroethene	4.353	96	657	0.397	ug/l #	34
13) Acrolein	4.195	56	835	2.023	ug/l #	51
14) Allyl chloride	5.024	41	1005	0.349	ug/l #	62
15) Acrylonitrile	5.730	53	2059	2.268	ug/l #	83
16) Acetone	4.442	43	2526	2.697	ug/l #	79
17) Carbon Disulfide	4.712	76	2597	0.495	ug/l #	75
18) Methyl Acetate	5.018	43	411	0.201	ug/l #	51
19) Methyl tert-butyl Ether	5.794	73	1498	0.268	ug/l #	54
20) Methylene Chloride	5.271	84	828	0.435	ug/l #	59
21) trans-1,2-Dichloroethene	5.800	96	574	0.331	ug/l #	87
22) Diisopropyl ether	6.671	45	2231	0.375	ug/l #	90
23) Vinyl Acetate	6.600	43	8384	1.900	ug/l #	86
24) 1,1-Dichloroethane	6.559	63	1794	0.539	ug/l #	83
25) 2-Butanone	7.494	43	3234	2.535	ug/l #	73
26) 2,2-Dichloropropane	7.494	77	1251	0.417	ug/l #	64
27) cis-1,2-Dichloroethene	7.494	96	1051m	0.501	ug/l	
28) Bromochloromethane	7.812	49	653	0.440	ug/l #	70
29) Tetrahydrofuran	7.853	42	1416	1.798	ug/l	95
30) Chloroform	7.965	83	1700	0.492	ug/l #	78
31) Cyclohexane	8.224	56	4558	1.411	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	1451	0.468	ug/l #	41
36) 1,1-Dichloropropene	8.377	75	1167	0.455	ug/l #	70
37) Ethyl Acetate	7.553	43	940	0.357	ug/l #	69
38) Carbon Tetrachloride	8.365	117	936	0.333	ug/l #	73
39) Methylcyclohexane	9.600	83	1301	0.456	ug/l	92
40) Benzene	8.594	78	3945	0.494	ug/l	98

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41) Methacrylonitrile	7.771	41	516	0.361	ug/l #	41
42) 1,2-Dichloroethane	8.665	62	1594	0.588	ug/l #	75
43) Isopropyl Acetate	8.694	43	3034	0.589	ug/l #	73
44) Trichloroethene	9.347	130	814	0.436	ug/l	86
45) 1,2-Dichloropropane	9.618	63	920	0.487	ug/l #	75
46) Dibromomethane	9.712	93	501	0.393	ug/l #	75
47) Bromodichloromethane	9.882	83	1528	0.539	ug/l #	76
48) Methyl methacrylate	9.682	41	790	0.385	ug/l #	86
49) 1,4-Dioxane	9.700	88	262	6.936	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	4798	1.915	ug/l	97
52) Toluene	10.624	92	2083	0.427	ug/l #	75
53) t-1,3-Dichloropropene	10.824	75	1226	0.424	ug/l	90
54) cis-1,3-Dichloropropene	10.306	75	1184	0.381	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	927	0.531	ug/l #	85
56) Ethyl methacrylate	10.876	69	1047	0.364	ug/l	99
57) 1,3-Dichloropropane	11.165	76	1625	0.521	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	2543	1.907	ug/l	96
59) 2-Hexanone	11.194	43	3516	1.878	ug/l	96
60) Dibromochloromethane	11.359	129	797	0.386	ug/l	96
61) 1,2-Dibromoethane	11.471	107	780	0.430	ug/l	95
64) Tetrachloroethene	11.100	164	779	0.480	ug/l #	70
65) Chlorobenzene	11.894	112	2319	0.449	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.959	131	940	0.529	ug/l #	32
67) Ethyl Benzene	11.965	91	3785	0.415	ug/l	96
68) m/p-Xylenes	12.076	106	2768	0.820	ug/l	98
69) o-Xylene	12.394	106	1248	0.391	ug/l	91
70) Styrene	12.412	104	1615	0.298	ug/l #	88
71) Bromoform	12.582	173	626	0.478	ug/l #	87
73) Isopropylbenzene	12.694	105	2675	0.360	ug/l	97
74) N-amyl acetate	12.488	43	1215	0.362	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.935	83	1267	0.568	ug/l #	81
76) 1,2,3-Trichloropropane	12.994	75	1551m	0.781	ug/l	
77) Bromobenzene	12.982	156	849	0.474	ug/l	87
78) n-propylbenzene	13.029	91	3657	0.425	ug/l	96
79) 2-Chlorotoluene	13.129	91	2489	0.454	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	2282	0.377	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.735	75	146m	0.176	ug/l	
82) 4-Chlorotoluene	13.223	91	2513	0.455	ug/l	98
83) tert-Butylbenzene	13.435	119	1777	0.330	ug/l	78
84) 1,2,4-Trimethylbenzene	13.476	105	2052	0.336	ug/l	98
85) sec-Butylbenzene	13.612	105	2471	0.344	ug/l	95
86) p-Isopropyltoluene	13.723	119	1898	0.320	ug/l	87
87) 1,3-Dichlorobenzene	13.729	146	1291	0.384	ug/l	92
88) 1,4-Dichlorobenzene	13.812	146	1763m	0.520	ug/l	
89) n-Butylbenzene	14.053	91	2012	0.374	ug/l	88
90) Hexachloroethane	14.335	117	345	0.286	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	1636	0.497	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.723	75	61	0.132	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.394	180	476	0.293	ug/l #	72
94) Hexachlorobutadiene	15.494	225	178	0.220	ug/l #	42
95) Naphthalene	15.647	128	1790	0.333	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.835	180	519	0.320	ug/l #	70

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

