

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101124\
 Data File : VN084399.D
 Acq On : 11 Oct 2024 14:54
 Operator : JC\MD
 Sample : P4368-09 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 14 02:55:48 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	148701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115978	52.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.200%			
35) Dibromofluoromethane	8.165	113	90604	52.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.565	98	315000	49.926	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.847	95	109249	47.530	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1586	0.902	ug/l	98
3) Chloromethane	2.359	50	1877	0.935	ug/l	90
4) Vinyl Chloride	2.518	62	1855	0.954	ug/l #	78
5) Bromomethane	2.965	94	1341	1.045	ug/l	85
6) Chloroethane	3.130	64	2601m	1.867	ug/l	
7) Trichlorofluoromethane	3.500	101	2896	0.956	ug/l	92
8) Diethyl Ether	3.959	74	773	0.688	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	1675m	0.965	ug/l	
10) Methyl Iodide	4.606	142	1606	0.718	ug/l #	40
11) Tert butyl alcohol	5.512	59	758	2.085	ug/l #	73
12) 1,1-Dichloroethene	4.336	96	1249	0.746	ug/l	89
13) Acrolein	4.177	56	656	1.572	ug/l #	43
14) Allyl chloride	5.018	41	2152	0.740	ug/l #	30
15) Acrylonitrile	5.718	53	3410	3.714	ug/l	97
16) Acetone	4.442	43	4589	4.845	ug/l	94
17) Carbon Disulfide	4.706	76	4510	0.851	ug/l #	86
18) Methyl Acetate	5.036	43	1797	0.871	ug/l #	58
19) Methyl tert-butyl Ether	5.800	73	4098	0.725	ug/l #	81
20) Methylene Chloride	5.271	84	2002	1.040	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	1283	0.731	ug/l #	78
22) Diisopropyl ether	6.671	45	4201	0.698	ug/l #	94
23) Vinyl Acetate	6.606	43	15101	3.385	ug/l #	84
24) 1,1-Dichloroethane	6.565	63	2985	0.887	ug/l #	83
25) 2-Butanone	7.483	43	5559	4.309	ug/l #	90
26) 2,2-Dichloropropane	7.483	77	2404	0.793	ug/l	79
27) cis-1,2-Dichloroethene	7.488	96	1547	0.730	ug/l	85
28) Bromochloromethane	7.818	49	948	0.632	ug/l #	83
29) Tetrahydrofuran	7.841	42	2542	3.193	ug/l	90
30) Chloroform	7.965	83	3045	0.872	ug/l	90
31) Cyclohexane	8.230	56	4206	1.288	ug/l #	16
32) 1,1,1-Trichloroethane	8.165	97	2715	0.865	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2282	0.916	ug/l #	87
37) Ethyl Acetate	7.565	43	1832	0.717	ug/l #	69
38) Carbon Tetrachloride	8.359	117	2117	0.775	ug/l	92
39) Methylcyclohexane	9.600	83	1829	0.660	ug/l #	93
40) Benzene	8.600	78	6503	0.838	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	1035	0.746	ug/l #	78
42) 1,2-Dichloroethane	8.671	62	2463	0.936	ug/l #	75
43) Isopropyl Acetate	8.688	43	4070	0.813	ug/l #	86
44) Trichloroethene	9.347	130	1445	0.797	ug/l	89
45) 1,2-Dichloropropane	9.618	63	1519	0.827	ug/l	94
46) Dibromomethane	9.712	93	1185	0.956	ug/l #	78
47) Bromodichloromethane	9.894	83	2646	0.961	ug/l #	88
48) Methyl methacrylate	9.677	41	1186	0.595	ug/l	94
49) 1,4-Dioxane	9.700	88	447	12.186	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	8992	3.696	ug/l	93
52) Toluene	10.635	92	4466	0.944	ug/l	89
53) t-1,3-Dichloropropene	10.835	75	2211	0.788	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	2153	0.713	ug/l #	85
55) 1,1,2-Trichloroethane	11.012	97	1404	0.828	ug/l #	88
56) Ethyl methacrylate	10.871	69	1733	0.621	ug/l	96
57) 1,3-Dichloropropane	11.159	76	2406	0.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4559	3.520	ug/l	98
59) 2-Hexanone	11.194	43	6833	3.758	ug/l	91
60) Dibromochloromethane	11.359	129	1640	0.818	ug/l	93
61) 1,2-Dibromoethane	11.470	107	1509	0.856	ug/l	95
64) Tetrachloroethene	11.100	164	1213	0.763	ug/l	94
65) Chlorobenzene	11.888	112	4329	0.855	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	1709	0.980	ug/l #	61
67) Ethyl Benzene	11.959	91	6751	0.754	ug/l	96
68) m/p-Xylenes	12.065	106	4425	1.336	ug/l	93
69) o-Xylene	12.400	106	1895	0.605	ug/l	72
70) Styrene	12.412	104	3267	0.615	ug/l	98
71) Bromoform	12.570	173	1199	0.934	ug/l #	84
73) Isopropylbenzene	12.694	105	4907	0.653	ug/l	98
74) N-amyl acetate	12.494	43	1894	0.557	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	2183	0.967	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	2847	1.417	ug/l	61
77) Bromobenzene	12.982	156	1639	0.905	ug/l	94
78) n-propylbenzene	13.035	91	6384	0.734	ug/l	95
79) 2-Chlorotoluene	13.123	91	4175	0.752	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	4174	0.681	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.729	75	553m	0.660	ug/l	
82) 4-Chlorotoluene	13.217	91	3890	0.696	ug/l	87
83) tert-Butylbenzene	13.435	119	3368	0.619	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	3941	0.639	ug/l	89
85) sec-Butylbenzene	13.612	105	4883	0.672	ug/l	98
86) p-Isopropyltoluene	13.729	119	3437	0.572	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	2596	0.764	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	2759m	0.804	ug/l	
89) n-Butylbenzene	14.059	91	3630	0.666	ug/l	97
90) Hexachloroethane	14.335	117	1031	0.846	ug/l	80
91) 1,2-Dichlorobenzene	14.106	146	2424	0.728	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.723	75	439	0.942	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.394	180	1207	0.735	ug/l #	88
94) Hexachlorobutadiene	15.494	225	594	0.726	ug/l	83
95) Naphthalene	15.641	128	2987	0.549	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.853	180	1125	0.685	ug/l #	12

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

