

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101124\
 Data File : VN084397.D
 Acq On : 11 Oct 2024 13:53
 Operator : JC\MD
 Sample : P4368-09 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 14 02:53:55 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	170479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132979	52.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.165	113	104572	52.361	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	10.565	98	370537	50.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.847	95	130540	48.767	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	538	0.267	ug/l #	39
3) Chloromethane	2.359	50	801	0.348	ug/l #	41
4) Vinyl Chloride	2.518	62	632	0.283	ug/l #	27
5) Bromomethane	2.965	94	752	0.511	ug/l	89
6) Chloroethane	3.142	64	1100m	0.689	ug/l	
7) Trichlorofluoromethane	3.500	101	1031	0.297	ug/l #	58
8) Diethyl Ether	3.947	74	63	0.049	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	313	0.157	ug/l #	41
10) Methyl Iodide	4.589	142	553	0.216	ug/l #	40
11) Tert butyl alcohol	5.512	59	144	0.345	ug/l #	73
12) 1,1-Dichloroethene	4.353	96	409	0.213	ug/l #	72
13) Acrolein	4.194	56	577	1.206	ug/l #	14
14) Allyl chloride	5.036	41	364	0.109	ug/l #	52
15) Acrylonitrile	5.718	53	1391	1.322	ug/l #	79
16) Acetone	4.453	43	1699	1.565	ug/l #	44
17) Carbon Disulfide	4.706	76	2012	0.331	ug/l #	75
18) Methyl Acetate	5.012	43	84	0.035	ug/l #	51
19) Methyl tert-butyl Ether	5.783	73	478	0.074	ug/l #	54
20) Methylene Chloride	5.265	84	253	0.115	ug/l #	35
21) trans-1,2-Dichloroethene	5.794	96	522	0.260	ug/l #	51
22) Diisopropyl ether	6.671	45	1541	0.223	ug/l #	76
23) Vinyl Acetate	6.600	43	5354	1.047	ug/l	99
24) 1,1-Dichloroethane	6.577	63	1073	0.278	ug/l #	83
25) 2-Butanone	7.500	43	2058	1.392	ug/l #	81
26) 2,2-Dichloropropane	7.482	77	777	0.223	ug/l #	54
27) cis-1,2-Dichloroethene	7.488	96	418	0.172	ug/l	55
29) Tetrahydrofuran	7.835	42	399	0.437	ug/l #	34
30) Chloroform	7.959	83	1262	0.315	ug/l #	72
31) Cyclohexane	8.224	56	4750	1.269	ug/l #	31
32) 1,1,1-Trichloroethane	8.177	97	510	0.142	ug/l #	23
36) 1,1-Dichloropropene	8.371	75	806	0.278	ug/l #	49
37) Ethyl Acetate	7.577	43	638	0.214	ug/l #	69
38) Carbon Tetrachloride	8.359	117	899	0.283	ug/l #	86
39) Methylcyclohexane	9.594	83	842	0.261	ug/l #	71
40) Benzene	8.600	78	2523	0.279	ug/l #	84
41) Methacrylonitrile	7.771	41	164	0.102	ug/l #	40

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Manual Integrations APPROVED

Reviewed By : John Carlone 10/14/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.677	62	1123	0.367	ug/l #	75
43) Isopropyl Acetate	8.700	43	2131	0.366	ug/l #	56
44) Trichloroethene	9.341	130	662	0.314	ug/l	63
45) 1,2-Dichloropropane	9.618	63	582	0.272	ug/l #	44
46) Dibromomethane	9.712	93	335	0.232	ug/l #	84
47) Bromodichloromethane	9.882	83	838	0.261	ug/l #	78
48) Methyl methacrylate	9.682	41	436	0.188	ug/l #	73
51) 4-Methyl-2-Pentanone	10.447	43	3197	1.128	ug/l	96
52) Toluene	10.629	92	1702	0.309	ug/l	85
53) t-1,3-Dichloropropene	10.835	75	767	0.235	ug/l #	43
54) cis-1,3-Dichloropropene	10.312	75	763	0.217	ug/l #	87
55) 1,1,2-Trichloroethane	11.006	97	423	0.214	ug/l #	68
56) Ethyl methacrylate	10.870	69	757	0.233	ug/l #	70
57) 1,3-Dichloropropane	11.159	76	1060	0.300	ug/l #	74
58) 2-Chloroethyl Vinyl ether	10.159	63	1113	0.738	ug/l #	65
59) 2-Hexanone	11.200	43	2459	1.161	ug/l	96
60) Dibromochloromethane	11.359	129	678	0.290	ug/l	86
61) 1,2-Dibromoethane	11.465	107	453	0.221	ug/l	88
64) Tetrachloroethene	11.100	164	568	0.309	ug/l	88
65) Chlorobenzene	11.894	112	1951	0.334	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.970	131	492	0.244	ug/l #	55
67) Ethyl Benzene	11.965	91	2470	0.239	ug/l #	85
68) m/p-Xylenes	12.070	106	1632	0.427	ug/l	85
69) o-Xylene	12.394	106	861	0.238	ug/l	85
70) Styrene	12.412	104	1381	0.225	ug/l	94
71) Bromoform	12.576	173	558	0.377	ug/l #	30
73) Isopropylbenzene	12.694	105	1816	0.217	ug/l	90
74) N-amyl acetate	12.494	43	794	0.209	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.935	83	619	0.245	ug/l #	93
76) 1,2,3-Trichloropropane	12.988	75	965m	0.430	ug/l	
77) Bromobenzene	12.976	156	519	0.257	ug/l	83
78) n-propylbenzene	13.035	91	2682	0.276	ug/l	94
79) 2-Chlorotoluene	13.129	91	1665	0.269	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	1611	0.235	ug/l	96
82) 4-Chlorotoluene	13.212	91	1599	0.256	ug/l	88
83) tert-Butylbenzene	13.435	119	1264	0.208	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	1398	0.203	ug/l	90
85) sec-Butylbenzene	13.617	105	1847	0.228	ug/l	98
86) p-Isopropyltoluene	13.735	119	1306	0.195	ug/l	92
87) 1,3-Dichlorobenzene	13.729	146	1107	0.292	ug/l	94
88) 1,4-Dichlorobenzene	13.811	146	1307m	0.341	ug/l	
89) n-Butylbenzene	14.053	91	1236	0.203	ug/l	92
90) Hexachloroethane	14.323	117	382	0.280	ug/l	61
91) 1,2-Dichlorobenzene	14.106	146	1027	0.276	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.711	75	60	0.115	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.388	180	411	0.224	ug/l #	65
94) Hexachlorobutadiene	15.488	225	132	0.144	ug/l #	55
95) Naphthalene	15.647	128	1348	0.222	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.841	180	458	0.250	ug/l #	63

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

