

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101024\
 Data File : VN084383.D
 Acq On : 10 Oct 2024 12:39
 Operator : JC\MD
 Sample : P4368-07 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 11 05:27:18 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	156127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	124517	53.790	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.580%			
35) Dibromofluoromethane	8.171	113	99315	53.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.240%			
50) Toluene-d8	10.565	98	336487	49.381	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.847	95	109306	44.032	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	376	0.204	ug/l #	39
3) Chloromethane	2.359	50	640	0.304	ug/l	91
4) Vinyl Chloride	2.512	62	585	0.286	ug/l #	59
5) Bromomethane	2.983	94	706	0.524	ug/l #	68
6) Chloroethane	3.112	64	1722m	1.177	ug/l	
7) Trichlorofluoromethane	3.495	101	559	0.176	ug/l	87
8) Diethyl Ether	3.959	74	63	0.053	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	4.377	101	150	0.082	ug/l #	71
10) Methyl Iodide	4.594	142	548	0.233	ug/l #	40
11) Tert butyl alcohol	5.506	59	272	0.713	ug/l #	73
12) 1,1-Dichloroethene	4.336	96	123	0.070	ug/l #	66
13) Acrolein	4.177	56	170	0.388	ug/l #	14
14) Allyl chloride	5.024	41	339	0.111	ug/l #	36
15) Acrylonitrile	5.730	53	763	0.792	ug/l #	64
16) Acetone	4.436	43	1380	1.388	ug/l #	44
17) Carbon Disulfide	4.706	76	1478	0.266	ug/l #	75
18) Methyl Acetate	5.024	43	674	0.311	ug/l #	51
19) Methyl tert-butyl Ether	5.800	73	728	0.123	ug/l #	54
20) Methylene Chloride	5.271	84	498	0.246	ug/l #	43
21) trans-1,2-Dichloroethene	5.789	96	157	0.085	ug/l #	1
22) Diisopropyl ether	6.677	45	876	0.139	ug/l #	68
23) Vinyl Acetate	6.606	43	4057	0.866	ug/l #	72
24) 1,1-Dichloroethane	6.559	63	533	0.151	ug/l #	83
25) 2-Butanone	7.482	43	1588	1.172	ug/l #	48
26) 2,2-Dichloropropane	7.477	77	218	0.068	ug/l #	54
27) cis-1,2-Dichloroethene	7.488	96	369	0.166	ug/l	80
28) Bromochloromethane	7.800	49	62	0.039	ug/l #	64
29) Tetrahydrofuran	7.859	42	449	0.537	ug/l #	86
30) Chloroform	7.959	83	714	0.195	ug/l #	73
31) Cyclohexane	8.224	56	4066	1.186	ug/l #	1
32) 1,1,1-Trichloroethane	8.159	97	512	0.155	ug/l #	41
36) 1,1-Dichloropropene	8.377	75	588	0.219	ug/l #	42
37) Ethyl Acetate	7.565	43	305	0.111	ug/l #	69
38) Carbon Tetrachloride	8.359	117	638	0.216	ug/l #	67
39) Methylcyclohexane	9.600	83	509	0.170	ug/l #	88
40) Benzene	8.600	78	1859	0.222	ug/l #	51

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.677	62	896	0.315	ug/l #	75
43) Isopropyl Acetate	8.682	43	3203	0.592	ug/l #	56
44) Trichloroethene	9.359	130	721	0.368	ug/l	67
45) 1,2-Dichloropropane	9.624	63	291	0.147	ug/l #	44
46) Dibromomethane	9.712	93	81	0.061	ug/l #	20
47) Bromodichloromethane	9.888	83	632	0.213	ug/l #	24
48) Methyl methacrylate	9.682	41	349	0.162	ug/l #	25
49) 1,4-Dioxane	9.706	88	58m	1.464	ug/l	
51) 4-Methyl-2-Pentanone	10.441	43	2540	0.967	ug/l #	86
52) Toluene	10.629	92	1025	0.201	ug/l	85
53) t-1,3-Dichloropropene	10.835	75	590	0.195	ug/l #	43
54) cis-1,3-Dichloropropene	10.318	75	621	0.191	ug/l #	35
55) 1,1,2-Trichloroethane	11.018	97	270	0.147	ug/l #	60
56) Ethyl methacrylate	10.871	69	774	0.257	ug/l #	58
57) 1,3-Dichloropropane	11.159	76	594	0.181	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.159	63	985	0.704	ug/l	93
59) 2-Hexanone	11.194	43	1947	0.991	ug/l	80
60) Dibromochloromethane	11.359	129	404	0.187	ug/l #	55
61) 1,2-Dibromoethane	11.470	107	368	0.193	ug/l #	76
64) Tetrachloroethene	11.112	164	282	0.166	ug/l #	54
65) Chlorobenzene	11.894	112	1255	0.232	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.970	131	55	0.029	ug/l #	1
67) Ethyl Benzene	11.970	91	1817	0.190	ug/l #	78
68) m/p-Xylenes	12.070	106	1291	0.364	ug/l	87
69) o-Xylene	12.400	106	448	0.134	ug/l	43
70) Styrene	12.412	104	757	0.133	ug/l	89
71) Bromoform	12.582	173	325	0.236	ug/l #	30
73) Isopropylbenzene	12.694	105	1359	0.177	ug/l	88
74) N-amyl acetate	12.488	43	458	0.131	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.941	83	691	0.299	ug/l #	87
76) 1,2,3-Trichloropropane	13.000	75	614m	0.298	ug/l	
77) Bromobenzene	12.976	156	459	0.247	ug/l	87
78) n-propylbenzene	13.035	91	1910	0.214	ug/l	89
79) 2-Chlorotoluene	13.217	91	1472	0.259	ug/l	77
80) 1,3,5-Trimethylbenzene	13.170	105	972	0.155	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	61m	0.071	ug/l	
82) 4-Chlorotoluene	13.217	91	1472	0.257	ug/l	77
83) tert-Butylbenzene	13.435	119	1244	0.223	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.488	105	1052	0.166	ug/l	84
85) sec-Butylbenzene	13.612	105	1273	0.171	ug/l	89
86) p-Isopropyltoluene	13.735	119	1060	0.172	ug/l	87
87) 1,3-Dichlorobenzene	13.723	146	806	0.231	ug/l	92
88) 1,4-Dichlorobenzene	13.812	146	1148m	0.326	ug/l	
89) n-Butylbenzene	14.047	91	1028	0.184	ug/l	89
90) Hexachloroethane	14.341	117	53m	0.042	ug/l	
91) 1,2-Dichlorobenzene	14.106	146	754	0.221	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	471	0.280	ug/l #	77
94) Hexachlorobutadiene	15.500	225	374	0.446	ug/l #	18
95) Naphthalene	15.647	128	2528	0.453	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.841	180	340	0.202	ug/l #	65

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