

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080824.D
 Acq On : 30 Jan 2024 19:10
 Operator : JC\MD
 Sample : P1187-09 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Quant Time: Jan 31 03:17:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/31/2024
 Supervised By : Semsettin Yesilyurt 01/31/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	102498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	214827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	180713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	62128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	99340	56.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.040%			
35) Dibromofluoromethane	8.171	113	68103	51.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.640%			
50) Toluene-d8	10.570	98	266269	51.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.520%			
62) 4-Bromofluorobenzene	12.847	95	81818	45.642	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	1374	0.903	ug/l #	44
3) Chloromethane	2.365	50	3373	1.474	ug/l #	62
4) Vinyl Chloride	2.512	62	1590	0.914	ug/l	96
5) Bromomethane	2.959	94	789	1.134	ug/l	92
6) Chloroethane	3.136	64	1393	1.502	ug/l #	42
7) Trichlorofluoromethane	3.500	101	1713	0.761	ug/l #	67
8) Diethyl Ether	3.965	74	476	0.458	ug/l	68
9) 1,1,2-Trichlorotrifluo...	4.365	101	787	0.599	ug/l #	66
10) Methyl Iodide	4.606	142	817	0.737	ug/l #	77
11) Tert butyl alcohol	5.512	59	843	2.916	ug/l #	72
12) 1,1-Dichloroethene	4.336	96	871	0.605	ug/l #	1
13) Acrolein	4.177	56	1593m	4.370	ug/l	
14) Allyl chloride	5.018	41	2720	0.956	ug/l #	80
15) Acrylonitrile	5.724	53	3476	3.999	ug/l	98
16) Acetone	4.430	43	3575	5.559	ug/l #	73
17) Carbon Disulfide	4.694	76	3689m	0.824	ug/l	
18) Methyl Acetate	5.036	43	3271m	1.459	ug/l	
19) Methyl tert-butyl Ether	5.788	73	4676m	0.922	ug/l	
20) Methylene Chloride	5.277	84	1994	1.181	ug/l	87
21) trans-1,2-Dichloroethene	5.800	96	1201m	0.768	ug/l	
22) Diisopropyl ether	6.683	45	4707	0.750	ug/l #	79
23) Vinyl Acetate	6.606	43	13197	2.907	ug/l #	92
24) 1,1-Dichloroethane	6.577	63	2409	0.757	ug/l #	85
25) 2-Butanone	7.500	43	4786	3.918	ug/l	99
26) 2,2-Dichloropropane	7.477	77	1717	0.668	ug/l #	65
27) cis-1,2-Dichloroethene	7.482	96	1141	0.631	ug/l	96
28) Bromochloromethane	7.818	49	1037	0.616	ug/l #	98
29) Tetrahydrofuran	7.835	42	3274	3.961	ug/l #	59
30) Chloroform	7.959	83	2341	0.792	ug/l #	49
31) Cyclohexane	8.224	56	5987	1.969	ug/l #	55
32) 1,1,1-Trichloroethane	8.159	97	1663m	0.694	ug/l	
36) 1,1-Dichloropropene	8.371	75	1811	0.741	ug/l	98
37) Ethyl Acetate	7.565	43	2075	0.825	ug/l #	89
38) Carbon Tetrachloride	8.335	117	1595m	0.810	ug/l	
39) Methylcyclohexane	9.606	83	1617	0.666	ug/l #	56
40) Benzene	8.606	78	5191	0.723	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1113	0.751	ug/l #	52
42) 1,2-Dichloroethane	8.671	62	1727	0.738	ug/l #	75
43) Isopropyl Acetate	8.700	43	3522	0.769	ug/l #	88
44) Trichloroethene	9.365	130	1161	0.734	ug/l	96
45) 1,2-Dichloropropane	9.623	63	1611	0.829	ug/l	93
46) Dibromomethane	9.712	93	830	0.721	ug/l #	71
47) Bromodichloromethane	9.888	83	1579	0.675	ug/l #	83
48) Methyl methacrylate	9.682	41	1881	0.847	ug/l	97
49) 1,4-Dioxane	9.706	88	591	22.104	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	8740	3.415	ug/l	92
52) Toluene	10.635	92	3426	0.832	ug/l	83
53) t-1,3-Dichloropropene	10.835	75	1884	0.692	ug/l #	87
54) cis-1,3-Dichloropropene	10.312	75	2361	0.797	ug/l #	74
55) 1,1,2-Trichloroethane	11.018	97	1039	0.657	ug/l #	89
56) Ethyl methacrylate	10.882	69	1269	0.522	ug/l #	91
57) 1,3-Dichloropropane	11.165	76	2311	0.776	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	5431	3.831	ug/l	94
59) 2-Hexanone	11.200	43	6203	3.120	ug/l	92
60) Dibromochloromethane	11.370	129	968m	0.658	ug/l	
61) 1,2-Dibromoethane	11.465	107	1059	0.714	ug/l #	4
64) Tetrachloroethene	11.106	164	761	0.641	ug/l #	71
65) Chlorobenzene	11.900	112	3098	0.785	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.970	131	738	0.575	ug/l #	37
67) Ethyl Benzene	11.970	91	5472	0.746	ug/l #	80
68) m/p-Xylenes	12.082	106	3950	1.517	ug/l	93
69) o-Xylene	12.406	106	1803	0.697	ug/l	80
70) Styrene	12.412	104	2349	0.565	ug/l	94
71) Bromoform	12.576	173	659	0.760	ug/l #	46
73) Isopropylbenzene	12.694	105	4174	0.734	ug/l	89
74) N-amyl acetate	12.500	43	2775	0.786	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	1562	0.780	ug/l #	84
76) 1,2,3-Trichloropropane	13.000	75	1770m	0.945	ug/l	
77) Bromobenzene	12.976	156	846	0.696	ug/l	90
78) n-propylbenzene	13.041	91	5328	0.784	ug/l	94
79) 2-Chlorotoluene	13.123	91	2917	0.675	ug/l	79
80) 1,3,5-Trimethylbenzene	13.176	105	3277	0.723	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.747	75	282m	0.388	ug/l	
82) 4-Chlorotoluene	13.223	91	3064	0.716	ug/l	97
83) tert-Butylbenzene	13.435	119	3274	0.905	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	2814	0.613	ug/l	74
85) sec-Butylbenzene	13.617	105	3092	0.580	ug/l	94
86) p-Isopropyltoluene	13.729	119	2397	0.578	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	1336	0.614	ug/l	91
88) 1,4-Dichlorobenzene	13.806	146	1991m	0.913	ug/l	
89) n-Butylbenzene	14.059	91	3097	0.763	ug/l	85
90) Hexachloroethane	14.335	117	177	0.244	ug/l #	1
91) 1,2-Dichlorobenzene	14.106	146	1496	0.751	ug/l #	65
92) 1,2-Dibromo-3-Chloropr...	14.723	75	328	0.877	ug/l #	47
93) 1,2,4-Trichlorobenzene	15.382	180	644	0.628	ug/l	87
94) Hexachlorobutadiene	15.500	225	305	0.681	ug/l #	59
95) Naphthalene	15.641	128	2484	0.633	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.835	180	516	0.512	ug/l #	30

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

