

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080823.D
 Acq On : 30 Jan 2024 18:46
 Operator : JC\MD
 Sample : P1187-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 31 03:16:49 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	100079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	210113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	173275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	60805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	87448	50.509	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.020%
35) Dibromofluoromethane	8.165	113	61155	47.574	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.140%
50) Toluene-d8	10.571	98	233598	46.429	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.860%
62) 4-Bromofluorobenzene	12.853	95	74257	42.354	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	761	0.512	ug/l #	44
3) Chloromethane	2.365	50	2909	1.302	ug/l #	65
4) Vinyl Chloride	2.512	62	725	0.427	ug/l #	49
5) Bromomethane	2.971	94	719	1.058	ug/l #	79
6) Chloroethane	3.124	64	827	0.913	ug/l #	42
7) Trichlorofluoromethane	3.500	101	1330	0.605	ug/l	94
8) Diethyl Ether	3.977	74	264m	0.260	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	592	0.462	ug/l #	40
11) Tert butyl alcohol	5.518	59	724	2.565	ug/l #	94
12) 1,1-Dichloroethene	4.330	96	393m	0.280	ug/l	
13) Acrolein	4.165	56	1081m	3.037	ug/l	
14) Allyl chloride	5.018	41	1547	0.557	ug/l #	60
15) Acrylonitrile	5.741	53	2079m	2.449	ug/l	
16) Acetone	4.453	43	2912m	4.638	ug/l	
17) Carbon Disulfide	4.683	76	2859m	0.654	ug/l	
18) Methyl Acetate	5.036	43	2624	1.199	ug/l #	64
19) Methyl tert-butyl Ether	5.789	73	2514m	0.508	ug/l	
20) Methylene Chloride	5.277	84	1360m	0.825	ug/l	
21) trans-1,2-Dichloroethene	5.789	96	463m	0.303	ug/l	
22) Diisopropyl ether	6.671	45	3553	0.580	ug/l #	87
23) Vinyl Acetate	6.606	43	9638	2.174	ug/l	96
24) 1,1-Dichloroethane	6.571	63	1806m	0.581	ug/l	
25) 2-Butanone	7.494	43	3528	2.958	ug/l #	80
26) 2,2-Dichloropropane	7.500	77	1246	0.496	ug/l	81
27) cis-1,2-Dichloroethene	7.488	96	848	0.480	ug/l	63
28) Bromochloromethane	7.812	49	518	0.315	ug/l #	79
29) Tetrahydrofuran	7.835	42	2609	3.233	ug/l #	73
30) Chloroform	7.959	83	2126	0.737	ug/l #	64
31) Cyclohexane	8.230	56	4860	1.637	ug/l #	62
32) 1,1,1-Trichloroethane	8.177	97	1115m	0.476	ug/l	
36) 1,1-Dichloropropene	8.377	75	1110	0.465	ug/l #	54
37) Ethyl Acetate	7.559	43	1698m	0.690	ug/l	
38) Carbon Tetrachloride	8.365	117	906	0.471	ug/l #	61
39) Methylcyclohexane	9.612	83	1052	0.443	ug/l #	49
40) Benzene	8.606	78	3423	0.487	ug/l	96
41) Methacrylonitrile	7.794	41	909	0.627	ug/l #	40

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080823.D
 Acq On : 30 Jan 2024 18:46
 Operator : JC\MD
 Sample : P1187-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 31 03:16:49 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)	
42) 1,2-Dichloroethane	8.671	62	1071	0.468	ug/l	93	01/31/2024
43) Isopropyl Acetate	8.688	43	2916	0.651	ug/l #	81	Supervised By :Semsettin Yesilyurt
44) Trichloroethene	9.353	130	940	0.608	ug/l	70	
45) 1,2-Dichloropropane	9.612	63	1142	0.601	ug/l #	82	
46) Dibromomethane	9.706	93	594	0.527	ug/l #	75	
47) Bromodichloromethane	9.888	83	1075	0.470	ug/l #	72	
48) Methyl methacrylate	9.682	41	1500	0.691	ug/l #	82	01/31/2024
49) 1,4-Dioxane	9.659	88	64m	2.447	ug/l		
51) 4-Methyl-2-Pentanone	10.447	43	6443	2.574	ug/l	97	
52) Toluene	10.635	92	1990	0.494	ug/l	96	
53) t-1,3-Dichloropropene	10.841	75	1329	0.499	ug/l #	43	
54) cis-1,3-Dichloropropene	10.324	75	1270	0.438	ug/l #	19	
55) 1,1,2-Trichloroethane	11.018	97	634	0.410	ug/l #	73	
56) Ethyl methacrylate	10.876	69	1013	0.426	ug/l #	84	
57) 1,3-Dichloropropane	11.159	76	1683	0.578	ug/l #	70	
58) 2-Chloroethyl Vinyl ether	10.165	63	2776	2.002	ug/l	95	
59) 2-Hexanone	11.194	43	4749	2.442	ug/l	100	
60) Dibromochloromethane	11.365	129	466	0.324	ug/l	96	
61) 1,2-Dibromoethane	11.465	107	604	0.417	ug/l	89	
64) Tetrachloroethene	11.106	164	670	0.588	ug/l #	86	
65) Chlorobenzene	11.894	112	1766	0.467	ug/l	93	
66) 1,1,1,2-Tetrachloroethane	11.953	131	796	0.647	ug/l #	45	
67) Ethyl Benzene	11.965	91	3285	0.467	ug/l	91	
68) m/p-Xylenes	12.076	106	1934	0.775	ug/l	74	
69) o-Xylene	12.400	106	950	0.383	ug/l	86	
70) Styrene	12.418	104	1573	0.395	ug/l #	84	
71) Bromoform	12.588	173	238	0.286	ug/l #	79	
73) Isopropylbenzene	12.700	105	2601	0.467	ug/l	99	
74) N-amyl acetate	12.494	43	1497	0.433	ug/l #	74	
75) 1,1,2,2-Tetrachloroethane	12.953	83	1215	0.620	ug/l #	25	
76) 1,2,3-Trichloropropane	12.994	75	1496m	0.816	ug/l		
77) Bromobenzene	12.994	156	364	0.306	ug/l #	1	
78) n-propylbenzene	13.035	91	3299	0.496	ug/l	79	
79) 2-Chlorotoluene	13.123	91	2057	0.487	ug/l	99	
80) 1,3,5-Trimethylbenzene	13.176	105	2306	0.520	ug/l	89	
82) 4-Chlorotoluene	13.223	91	2048	0.489	ug/l	99	
83) tert-Butylbenzene	13.435	119	1652	0.466	ug/l	84	
84) 1,2,4-Trimethylbenzene	13.488	105	1670	0.372	ug/l	73	
85) sec-Butylbenzene	13.612	105	2455	0.470	ug/l	97	
86) p-Isopropyltoluene	13.741	119	1808	0.446	ug/l #	73	
87) 1,3-Dichlorobenzene	13.729	146	1026	0.482	ug/l	95	
88) 1,4-Dichlorobenzene	13.812	146	1025m	0.480	ug/l		
89) n-Butylbenzene	14.064	91	1889	0.476	ug/l	81	
91) 1,2-Dichlorobenzene	14.106	146	1232	0.632	ug/l #	75	
92) 1,2-Dibromo-3-Chloropr...	14.729	75	112	0.306	ug/l #	46	
93) 1,2,4-Trichlorobenzene	15.400	180	691	0.689	ug/l #	81	
94) Hexachlorobutadiene	15.500	225	203	0.463	ug/l #	17	
95) Naphthalene	15.635	128	1683	0.439	ug/l #	75	

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

