

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080800.D
 Acq On : 29 Jan 2024 18:53
 Operator : JC\MD
 Sample : P1187-07 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Jan 30 02:05:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 02:03:24 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/30/2024
 Supervised By : Mahesh Dadoda 01/30/2024

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	113438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	228463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	192779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	96237	49.039	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	8.165	113	63860	45.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.380%		
50) Toluene-d8	10.570	98	254318	46.487	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.980%		
62) 4-Bromofluorobenzene	12.853	95	82254	43.147	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	747	0.443	ug/l	90
3) Chloromethane	2.365	50	2894	1.143	ug/l #	74
4) Vinyl Chloride	2.518	62	859	0.446	ug/l #	53
5) Bromomethane	2.965	94	738	0.958	ug/l #	56
6) Chloroethane	3.106	64	1035m	1.008	ug/l	
7) Trichlorofluoromethane	3.489	101	1127m	0.452	ug/l	
8) Diethyl Ether	3.971	74	230	0.200	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	4.347	101	811m	0.558	ug/l	
10) Methyl Iodide	4.589	142	395	0.322	ug/l #	39
11) Tert butyl alcohol	5.512	59	763m	2.385	ug/l	
12) 1,1-Dichloroethene	4.330	96	755	0.474	ug/l #	43
13) Acrolein	4.189	56	1569m	3.889	ug/l	
14) Allyl chloride	4.989	41	1711m	0.544	ug/l	
15) Acrylonitrile	5.718	53	1886	1.960	ug/l #	71
16) Acetone	4.430	43	2875m	4.039	ug/l	
17) Carbon Disulfide	4.730	76	2463m	0.497	ug/l	
18) Methyl Acetate	5.030	43	2656m	1.071	ug/l	
19) Methyl tert-butyl Ether	5.777	73	2666m	0.475	ug/l	
20) Methylene Chloride	5.288	84	879	0.470	ug/l	93
21) trans-1,2-Dichloroethene	5.788	96	576	0.333	ug/l #	77
22) Diisopropyl ether	6.671	45	3753	0.540	ug/l #	69
23) Vinyl Acetate	6.600	43	10970	2.183	ug/l #	87
24) 1,1-Dichloroethane	6.565	63	2025	0.575	ug/l #	85
25) 2-Butanone	7.494	43	3969	2.936	ug/l #	81
26) 2,2-Dichloropropane	7.500	77	1298	0.456	ug/l #	53
27) cis-1,2-Dichloroethene	7.482	96	1019	0.509	ug/l	83
28) Bromochloromethane	7.824	49	679	0.364	ug/l #	83
29) Tetrahydrofuran	7.847	42	2496	2.729	ug/l #	69
30) Chloroform	7.965	83	1291	0.395	ug/l #	78
31) Cyclohexane	8.224	56	5903m	1.754	ug/l	
32) 1,1,1-Trichloroethane	8.177	97	1692m	0.638	ug/l	
36) 1,1-Dichloropropene	8.371	75	1277	0.492	ug/l #	62
37) Ethyl Acetate	7.571	43	1732m	0.648	ug/l	
38) Carbon Tetrachloride	8.365	117	662m	0.316	ug/l	
39) Methylcyclohexane	9.606	83	1280	0.496	ug/l #	72
40) Benzene	8.606	78	4121	0.540	ug/l #	76

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Reviewed By : John Carlone 01/30/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	494m	0.313	ug/l	
42) 1,2-Dichloroethane	8.671	62	1354	0.544	ug/l	91
43) Isopropyl Acetate	8.688	43	2979	0.612	ug/l #	78
44) Trichloroethene	9.359	130	1079	0.642	ug/l	1
45) 1,2-Dichloropropane	9.623	63	1172	0.567	ug/l #	34
46) Dibromomethane	9.712	93	447	0.365	ug/l #	73
47) Bromodichloromethane	9.882	83	1252	0.503	ug/l #	69
48) Methyl methacrylate	9.688	41	1719	0.728	ug/l #	81
49) 1,4-Dioxane	9.700	88	216	7.597	ug/l #	18
51) 4-Methyl-2-Pentanone	10.453	43	5915	2.173	ug/l	96
52) Toluene	10.635	92	2294	0.524	ug/l	80
53) t-1,3-Dichloropropene	10.835	75	1087	0.375	ug/l #	72
54) cis-1,3-Dichloropropene	10.318	75	1574m	0.500	ug/l	
55) 1,1,2-Trichloroethane	11.012	97	915	0.544	ug/l #	27
56) Ethyl methacrylate	10.882	69	794	0.307	ug/l #	55
57) 1,3-Dichloropropane	11.165	76	1486	0.469	ug/l #	85
58) 2-Chloroethyl Vinyl ether	10.165	63	2996	1.987	ug/l	93
59) 2-Hexanone	11.200	43	4310	2.038	ug/l	89
60) Dibromochloromethane	11.359	129	400	0.256	ug/l	100
61) 1,2-Dibromoethane	11.459	107	667m	0.423	ug/l	
64) Tetrachloroethene	11.100	164	348	0.275	ug/l #	58
65) Chlorobenzene	11.894	112	1547	0.368	ug/l #	52
66) 1,1,1,2-Tetrachloroethane	11.959	131	305	0.223	ug/l #	1
67) Ethyl Benzene	11.970	91	3383	0.433	ug/l	90
68) m/p-Xylenes	12.065	106	2992	1.077	ug/l	90
69) o-Xylene	12.406	106	1293	0.469	ug/l	87
70) Styrene	12.412	104	1864	0.421	ug/l #	81
71) Bromoform	12.570	173	554	0.599	ug/l #	67
73) Isopropylbenzene	12.700	105	2396	0.391	ug/l	95
74) N-amyl acetate	12.494	43	1802	0.474	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	1011	0.469	ug/l #	70
76) 1,2,3-Trichloropropane	12.988	75	744m	0.369	ug/l	
77) Bromobenzene	12.982	156	517	0.395	ug/l	68
78) n-propylbenzene	13.041	91	3164	0.432	ug/l	91
79) 2-Chlorotoluene	13.123	91	2497	0.537	ug/l	79
80) 1,3,5-Trimethylbenzene	13.170	105	2240	0.459	ug/l	83
82) 4-Chlorotoluene	13.223	91	2271	0.493	ug/l	87
83) tert-Butylbenzene	13.441	119	2198	0.564	ug/l	80
84) 1,2,4-Trimethylbenzene	13.482	105	2159	0.437	ug/l	98
85) sec-Butylbenzene	13.629	105	2575	0.448	ug/l	87
86) p-Isopropyltoluene	13.729	119	1559	0.349	ug/l	86
87) 1,3-Dichlorobenzene	13.735	146	1121	0.479	ug/l	76
88) 1,4-Dichlorobenzene	13.811	146	1284m	0.547	ug/l	
89) n-Butylbenzene	14.058	91	1833	0.420	ug/l	90
90) Hexachloroethane	14.341	117	278	0.356	ug/l #	54
91) 1,2-Dichlorobenzene	14.094	146	854m	0.398	ug/l	
93) 1,2,4-Trichlorobenzene	15.400	180	225m	0.204	ug/l	
95) Naphthalene	15.635	128	1582	0.375	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.847	180	267	0.246	ug/l #	11

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

