

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
 Data File : VN082019.D
 Acq On : 07 May 2024 11:59
 Operator : JC\MD
 Sample : P2403-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2024

Quant Time: May 08 07:58:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/08/2024
 Supervised By : Mahesh Dadoda 05/08/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	31505	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	185983	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	162557	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80427	30.491	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.633%			
60) 4-Bromofluorobenzene	12.853	95	75117	27.767	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.567%			
63) Toluene-d8	10.565	98	234363	30.358	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	5262	2.942	ug/l	88
3) Chloromethane	2.359	50	6958	3.355	ug/l	99
4) Vinyl Chloride	2.512	62	7109	3.628	ug/l #	75
5) Bromomethane	2.971	94	3921m	3.835	ug/l	
6) Chloroethane	3.124	64	4985	4.493	ug/l	97
7) Trichlorofluoromethane	3.501	101	8055	2.810	ug/l	93
8) Diethyl Ether	3.971	74	3955m	2.850	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	5672	2.886	ug/l	55
10) 1,1-Dichloroethene	4.342	96	5619m	2.922	ug/l	
11) Methyl Iodide	4.595	142	3632	2.067	ug/l	82
12) Methyl Acetate	5.018	43	7830m	3.252	ug/l	
13) Acrolein	4.183	56	4987m	9.746	ug/l	
14) Acrylonitrile	5.724	53	15212m	13.844	ug/l	
15) Acetone	4.430	58	4127m	16.761	ug/l	
16) Carbon Disulfide	4.718	76	17080m	3.206	ug/l	
17) Allyl chloride	5.024	41	10341m	3.063	ug/l	
18) Methylene Chloride	5.271	84	6383m	2.918	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	5680m	2.838	ug/l	
20) Diisopropyl ether	6.677	45	20017m	2.680	ug/l	
21) 1,1-Dichloroethane	6.571	63	10456m	2.644	ug/l	
22) cis-1,2-Dichloroethene	7.483	96	7184m	2.945	ug/l	
23) tert-Butyl Alcohol	5.530	59	5484m	12.116	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	18102m	2.611	ug/l	
25) Chloroform	7.971	83	11207	2.945	ug/l #	77
26) Cyclohexane	8.259	56	10836	3.168	ug/l #	80
29) 1,1-Dichloropropene	8.371	75	7689	2.777	ug/l	80
30) 2-Butanone	7.488	43	18684	13.091	ug/l #	67
31) 2,2-Dichloropropane	7.483	77	9652m	3.402	ug/l	
32) 1,1,1-Trichloroethane	8.171	97	8321	2.613	ug/l	93
33) Carbon Tetrachloride	8.371	117	7090m	2.743	ug/l	
34) Benzene	8.600	78	24398	2.762	ug/l #	64
35) Methacrylonitrile	7.777	41	4349	2.409	ug/l #	81
36) 1,2-Dichloroethane	8.677	62	8050m	2.715	ug/l	
37) Trichloroethene	9.359	130	5493m	2.539	ug/l	
38) Methylcyclohexane	9.600	83	9909	2.962	ug/l	95
39) 1,2-Dichloropropane	9.624	63	5385	2.376	ug/l	95
40) Dibromomethane	9.712	93	4238	2.911	ug/l	73
41) Bromodichloromethane	9.888	83	7835	2.518	ug/l	94
42) Vinyl Acetate	6.606	43	77843	12.814	ug/l #	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
 Data File : VN082019.D
 Acq On : 07 May 2024 11:59
 Operator : JC\MD
 Sample : P2403-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2024

Quant Time: May 08 07:58:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2024
 Supervised By : Mahesh Dadoda 05/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	8629m	2.773	ug/l	
44) Isopropyl Acetate	8.688	43	14889	2.695	ug/l #	70
45) 1,4-Dioxane	9.682	88	1851m	41.778	ug/l	
46) Methyl methacrylate	9.694	41	7256m	2.875	ug/l	
47) n-amyl Acetate	12.494	43	12151	2.439	ug/l #	89
48) t-1,3-Dichloropropene	10.835	75	8759	2.595	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	8123	2.276	ug/l #	68
50) 1,1,2-Trichloroethane	11.006	97	5260m	2.663	ug/l	
51) Ethyl methacrylate	10.871	69	8989	2.411	ug/l	93
52) 1,3-Dichloropropane	11.159	76	9137	2.518	ug/l	93
53) Dibromochloromethane	11.359	129	5119	2.382	ug/l	93
54) 1,2-Dibromoethane	11.471	107	4787	2.430	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	24819	13.312	ug/l	95
56) Bromoform	12.582	173	2989	2.285	ug/l #	84
58) 4-Methyl-2-Pentanone	10.441	43	38254	12.120	ug/l #	86
59) 2-Hexanone	11.200	43	29274	12.509	ug/l	92
61) Tetrachloroethene	11.106	164	4399	2.439	ug/l	85
62) Toluene	10.629	91	25580	2.797	ug/l	97
64) Chlorobenzene	11.888	112	13970	2.497	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	4882	2.666	ug/l	89
66) Ethyl Benzene	11.965	91	26244	2.618	ug/l	96
67) m/p-Xylenes	12.071	106	18555	4.992	ug/l	97
68) o-Xylene	12.406	106	9787	2.661	ug/l	88
69) Styrene	12.412	104	14832	2.402	ug/l	92
70) Isopropylbenzene	12.700	105	22683	2.429	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.929	83	7181	2.672	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	9520m	3.788	ug/l	
73) Bromobenzene	12.982	156	4574	2.288	ug/l	79
74) n-propylbenzene	13.035	91	26445	2.400	ug/l	98
75) 2-Chlorotoluene	13.123	91	17791	2.610	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	16922	2.238	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	2578	2.305	ug/l #	61
78) 4-Chlorotoluene	13.223	91	16858	2.524	ug/l	100
79) tert-butylbenzene	13.441	119	16273	2.500	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	16877	2.222	ug/l	99
81) sec-Butylbenzene	13.618	105	22420	2.457	ug/l	97
82) p-Isopropyltoluene	13.735	119	16680	2.312	ug/l	91
83) 1,3-Dichlorobenzene	13.735	146	8556	2.377	ug/l	95
84) 1,4-Dichlorobenzene	13.817	146	8786	2.428	ug/l	96
85) n-Butylbenzene	14.059	91	15861	2.407	ug/l	95
86) Hexachloroethane	14.329	117	3379	2.349	ug/l	69
87) 1,2-Dichlorobenzene	14.112	146	8097	2.258	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	1438	2.384	ug/l #	63
89) 1,2,4-Trichlorobenzene	15.841	180	4223	2.139	ug/l	95
90) Hexachlorobutadiene	15.500	225	1641m	2.244	ug/l	
91) Naphthalene	15.641	128	13950	1.859	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.841	180	4223	2.139	ug/l	95

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

