

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083541.D
 Acq On : 28 Aug 2024 17:20
 Operator : JC\MD
 Sample : P3390-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 29 01:40:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 28 12:23:16 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2024
 Supervised By : Mahesh Dadoda 08/29/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	28543	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	168713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	145141	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	80206	31.264	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.200%	
60) 4-Bromofluorobenzene	12.847	95	73256	28.509	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.033%	
63) Toluene-d8	10.565	98	203058	30.304	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	4941	2.578	ug/l	96
3) Chloromethane	2.359	50	5780	2.932	ug/l	96
4) Vinyl Chloride	2.512	62	5217	2.521	ug/l #	58
5) Bromomethane	2.900	94	2764	2.741	ug/l	98
6) Chloroethane	3.059	64	8067m	5.950	ug/l	
7) Trichlorofluoromethane	3.459	101	8662	2.532	ug/l	99
8) Diethyl Ether	3.953	74	3112m	2.590	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.359	101	4631m	2.450	ug/l	
10) 1,1-Dichloroethene	4.318	96	4756	2.658	ug/l	99
11) Methyl Iodide	4.565	142	4247m	1.725	ug/l	
12) Methyl Acetate	5.030	43	9633m	3.137	ug/l	
13) Acrolein	4.171	56	4168	14.071	ug/l #	77
14) Acrylonitrile	5.730	53	12408m	13.010	ug/l	
15) Acetone	4.441	58	3341m	11.840	ug/l	
16) Carbon Disulfide	4.700	76	13241	2.746	ug/l	97
17) Allyl chloride	5.024	41	8240m	2.494	ug/l	
18) Methylene Chloride	5.265	84	5364	2.703	ug/l #	85
19) trans-1,2-Dichloroethene	5.783	96	4725	2.562	ug/l	87
20) Diisopropyl ether	6.671	45	14743	2.295	ug/l	95
21) 1,1-Dichloroethane	6.559	63	9742	2.686	ug/l	96
22) cis-1,2-Dichloroethene	7.482	96	5980	2.621	ug/l	90
23) tert-Butyl Alcohol	5.536	59	5199m	12.921	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	16754	2.528	ug/l #	89
25) Chloroform	7.971	83	9881	2.569	ug/l	98
26) Cyclohexane	8.259	56	7956	2.523	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	6381	2.411	ug/l	95
30) 2-Butanone	7.494	43	18593	13.693	ug/l #	76
31) 2,2-Dichloropropane	7.482	77	7317	2.132	ug/l #	86
32) 1,1,1-Trichloroethane	8.171	97	8898	2.515	ug/l	97
33) Carbon Tetrachloride	8.359	117	7330	2.380	ug/l	97
34) Benzene	8.600	78	19876	2.475	ug/l #	45
35) Methacrylonitrile	7.782	41	4290	2.730	ug/l	85
36) 1,2-Dichloroethane	8.671	62	7748	2.587	ug/l #	90
37) Trichloroethene	9.347	130	4362	2.292	ug/l	88
38) Methylcyclohexane	9.600	83	7499	2.310	ug/l	94
39) 1,2-Dichloropropane	9.618	63	4900	2.509	ug/l #	85
40) Dibromomethane	9.706	93	3597	2.566	ug/l	97
41) Bromodichloromethane	9.888	83	7034	2.322	ug/l	97
42) Vinyl Acetate	6.600	43	83210	12.487	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083541.D
 Acq On : 28 Aug 2024 17:20
 Operator : JC\MD
 Sample : P3390-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 29 01:40:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N082824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 28 12:23:16 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/29/2024
 Supervised By :Mahesh Dadoda 08/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	7823	3.000	ug/l #	77
44) Isopropyl Acetate	8.688	43	23412	3.800	ug/l #	66
45) 1,4-Dioxane	9.700	88	2208	55.262	ug/l #	83
46) Methyl methacrylate	9.688	41	5967	2.621	ug/l	75
47) n-amyl Acetate	12.494	43	10499	2.476	ug/l	91
48) t-1,3-Dichloropropene	10.835	75	7758m	2.415	ug/l	
49) cis-1,3-Dichloropropene	10.318	75	7924	2.366	ug/l #	74
50) 1,1,2-Trichloroethane	11.018	97	4479	2.384	ug/l	92
51) Ethyl methacrylate	10.876	69	8428	2.572	ug/l	74
52) 1,3-Dichloropropane	11.170	76	8704	2.653	ug/l	100
53) Dibromochloromethane	11.365	129	4961	2.254	ug/l	93
54) 1,2-Dibromoethane	11.470	107	4556	2.367	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	17601	12.619	ug/l	98
56) Bromoform	12.582	173	3331	2.318	ug/l #	92
58) 4-Methyl-2-Pentanone	10.447	43	36573	14.208	ug/l #	87
59) 2-Hexanone	11.194	43	26505	13.426	ug/l	90
61) Tetrachloroethene	11.112	164	4147	2.690	ug/l #	68
62) Toluene	10.629	91	21126	2.516	ug/l	97
64) Chlorobenzene	11.894	112	12984	2.496	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	4654	2.514	ug/l	94
66) Ethyl Benzene	11.965	91	21539	2.274	ug/l	99
67) m/p-Xylenes	12.070	106	16487	4.697	ug/l	99
68) o-Xylene	12.400	106	8339	2.419	ug/l	98
69) Styrene	12.412	104	13036	2.221	ug/l	96
70) Isopropylbenzene	12.694	105	20490	2.250	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	7111	2.673	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	6270m	2.730	ug/l	
73) Bromobenzene	12.976	156	4860	2.358	ug/l	89
74) n-propylbenzene	13.035	91	21759	2.062	ug/l	98
75) 2-Chlorotoluene	13.123	91	16239	2.405	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	16976	2.233	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	2235	2.243	ug/l	94
78) 4-Chlorotoluene	13.223	91	14304	2.134	ug/l	94
79) tert-butylbenzene	13.441	119	15450	2.269	ug/l	94
80) 1,2,4-Trimethylbenzene	13.482	105	17602	2.271	ug/l	98
81) sec-Butylbenzene	13.617	105	19636	2.143	ug/l	99
82) p-Isopropyltoluene	13.729	119	15833	2.041	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	8923	2.217	ug/l	95
84) 1,4-Dichlorobenzene	13.811	146	8849	2.189	ug/l	98
85) n-Butylbenzene	14.059	91	13850	2.014	ug/l	99
86) Hexachloroethane	14.335	117	4190	2.757	ug/l	79
87) 1,2-Dichlorobenzene	14.106	146	8937	2.255	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	1785	2.935	ug/l #	68
89) 1,2,4-Trichlorobenzene	15.835	180	4438	2.043	ug/l	98
90) Hexachlorobutadiene	15.505	225	2162	2.342	ug/l	91
91) Naphthalene	15.641	128	15406	2.052	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	4438	2.043	ug/l	98

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

