

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082824\
 Data File : VN083542.D
 Acq On : 28 Aug 2024 17:44
 Operator : JC\MD
 Sample : P3390-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2024

Quant Time: Aug 29 01:40:59 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	29715	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	172289	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152164	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81600	30.552	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.833%			
60) 4-Bromofluorobenzene	12.847	95	78926	29.298	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.667%			
63) Toluene-d8	10.565	98	211648	30.129	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.433%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9247	4.634	ug/l	96
3) Chloromethane	2.360	50	11390	5.551	ug/l	92
4) Vinyl Chloride	2.512	62	11036	5.122	ug/l #	84
5) Bromomethane	2.901	94	5326	5.074	ug/l	86
6) Chloroethane	3.059	64	7344	5.203	ug/l	94
7) Trichlorofluoromethane	3.454	101	18258	5.127	ug/l	87
8) Diethyl Ether	3.954	74	6320	5.052	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.342	101	9449m	4.802	ug/l	
10) 1,1-Dichloroethene	4.324	96	9482m	5.090	ug/l	
11) Methyl Iodide	4.571	142	10183	3.972	ug/l	94
12) Methyl Acetate	5.030	43	17292	5.408	ug/l #	78
13) Acrolein	4.171	56	8366	27.130	ug/l	91
14) Acrylonitrile	5.718	53	26565	26.756	ug/l	98
15) Acetone	4.436	58	6492	22.099	ug/l	91
16) Carbon Disulfide	4.689	76	26088	5.198	ug/l	100
17) Allyl chloride	5.006	41	15967	4.642	ug/l	98
18) Methylene Chloride	5.259	84	10604	5.133	ug/l	93
19) trans-1,2-Dichloroethene	5.771	96	9350	4.869	ug/l	98
20) Diisopropyl ether	6.671	45	32540	4.865	ug/l	94
21) 1,1-Dichloroethane	6.559	63	19262	5.101	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	11100	4.673	ug/l #	67
23) tert-Butyl Alcohol	5.536	59	11575	27.632	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	34195	4.957	ug/l #	85
25) Chloroform	7.965	83	19862	4.961	ug/l	100
26) Cyclohexane	8.247	56	15712	4.786	ug/l #	88
29) 1,1-Dichloropropene	8.365	75	13443	4.974	ug/l	82
30) 2-Butanone	7.489	43	35539	25.629	ug/l #	92
31) 2,2-Dichloropropane	7.489	77	15325m	4.373	ug/l	
32) 1,1,1-Trichloroethane	8.171	97	17549	4.858	ug/l	92
33) Carbon Tetrachloride	8.359	117	15241	4.845	ug/l	97
34) Benzene	8.606	78	41926	5.112	ug/l #	88
35) Methacrylonitrile	7.777	41	8150	5.080	ug/l	92
36) 1,2-Dichloroethane	8.665	62	15647	5.116	ug/l #	94
37) Trichloroethene	9.347	130	9714	4.998	ug/l	100
38) Methylcyclohexane	9.600	83	15570	4.697	ug/l	98
39) 1,2-Dichloropropane	9.624	63	9761	4.895	ug/l	96
40) Dibromomethane	9.706	93	7622	5.325	ug/l	92
41) Bromodichloromethane	9.888	83	15225	4.921	ug/l	92
42) Vinyl Acetate	6.600	43	171482	25.200	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	15224	5.716	ug/l #	85
44) Isopropyl Acetate	8.694	43	36245	5.760	ug/l #	78
45) 1,4-Dioxane	9.700	88	4128	101.172	ug/l #	84
46) Methyl methacrylate	9.683	41	12525	5.387	ug/l	84
47) n-amyl Acetate	12.494	43	22071	5.097	ug/l	91
48) t-1,3-Dichloropropene	10.835	75	15393	4.692	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	16561	4.842	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	9619	5.014	ug/l	91
51) Ethyl methacrylate	10.877	69	16458	4.919	ug/l	79
52) 1,3-Dichloropropane	11.165	76	16767	5.005	ug/l	97
53) Dibromochloromethane	11.359	129	10712	4.766	ug/l	99
54) 1,2-Dibromoethane	11.471	107	10021	5.098	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	36997	25.974	ug/l	97
56) Bromoform	12.582	173	6736	4.590	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	72901	27.013	ug/l #	89
59) 2-Hexanone	11.194	43	55617	26.873	ug/l	87
61) Tetrachloroethene	11.106	164	7691	4.759	ug/l	97
62) Toluene	10.630	91	45100	5.124	ug/l	99
64) Chlorobenzene	11.894	112	26262	4.816	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	9375	4.831	ug/l	95
66) Ethyl Benzene	11.965	91	47603	4.794	ug/l	99
67) m/p-Xylenes	12.071	106	34693	9.427	ug/l	99
68) o-Xylene	12.400	106	17096	4.730	ug/l	90
69) Styrene	12.412	104	27472	4.465	ug/l	97
70) Isopropylbenzene	12.694	105	45418	4.758	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	14847	5.324	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	11687m	4.854	ug/l	
73) Bromobenzene	12.982	156	9774	4.524	ug/l	89
74) n-propylbenzene	13.035	91	48397	4.376	ug/l	99
75) 2-Chlorotoluene	13.129	91	31866	4.502	ug/l	97
76) 1,3,5-Trimethylbenzene	13.171	105	36571	4.589	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	3901	3.734	ug/l	91
78) 4-Chlorotoluene	13.224	91	31088	4.424	ug/l	99
79) tert-butylbenzene	13.441	119	32774	4.592	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	36370	4.477	ug/l	97
81) sec-Butylbenzene	13.618	105	42482	4.421	ug/l	99
82) p-Isopropyltoluene	13.729	119	34481	4.239	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	18086	4.285	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	18308	4.319	ug/l	98
85) n-Butylbenzene	14.059	91	29905	4.148	ug/l	99
86) Hexachloroethane	14.335	117	8334	5.231	ug/l	81
87) 1,2-Dichlorobenzene	14.106	146	18990	4.571	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.718	75	3613	5.667	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.841	180	9648	4.236	ug/l	98
90) Hexachlorobutadiene	15.506	225	4633	4.787	ug/l	90
91) Naphthalene	15.641	128	33809	4.294	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	9648	4.236	ug/l	98

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

