

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081970.D
 Acq On : 02 May 2024 10:01
 Operator : JC\MD
 Sample : VN0502WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBS01

Quant Time: May 03 00:08:24 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 :Romaben
 Patel

05/03/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.818	128	37310	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	218689	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	193279	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	91559	29.310	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.700%
60) 4-Bromofluorobenzene	12.847	95	89618	27.861	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.867%
63) Toluene-d8	10.565	98	283747	30.913	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.033%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42695	20.159	ug/l	98
3) Chloromethane	2.359	50	52491	21.371	ug/l	99
4) Vinyl Chloride	2.518	62	48296	20.815	ug/l	95
5) Bromomethane	2.965	94	23066	19.051	ug/l	93
6) Chloroethane	3.124	64	27402	20.856	ug/l	90
7) Trichlorofluoromethane	3.500	101	69545	20.484	ug/l	85
8) Diethyl Ether	3.959	74	34029	20.704	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.371	101	45993	19.760	ug/l	65
10) 1,1-Dichloroethene	4.347	96	45925	20.168	ug/l	97
11) Methyl Iodide	4.595	142	42184	20.271	ug/l	86
12) Methyl Acetate	5.018	43	62500	21.920	ug/l #	78
13) Acrolein	4.177	56	58787	97.010	ug/l	98
14) Acrylonitrile	5.718	53	134324	103.222	ug/l	97
15) Acetone	4.424	58	33140	113.647	ug/l	98
16) Carbon Disulfide	4.712	76	123510	19.578	ug/l	98
17) Allyl chloride	5.024	41	82735	20.695	ug/l	89
18) Methylene Chloride	5.271	84	53243	20.550	ug/l #	83
19) trans-1,2-Dichloroethene	5.789	96	48458	20.444	ug/l	95
20) Diisopropyl ether	6.671	45	182119	20.589	ug/l	93
21) 1,1-Dichloroethane	6.571	63	98443	21.018	ug/l	94
22) cis-1,2-Dichloroethene	7.494	96	59082	20.455	ug/l	92
23) tert-Butyl Alcohol	5.518	59	52339	97.643	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	162759m	19.826	ug/l	
25) Chloroform	7.971	83	93298	20.705	ug/l	97
26) Cyclohexane	8.253	56	89423	22.079	ug/l #	84
29) 1,1-Dichloropropene	8.371	75	68630	21.080	ug/l	96
30) 2-Butanone	7.483	43	180653	107.644	ug/l	93
31) 2,2-Dichloropropane	7.488	77	83160	24.925	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	76241	20.361	ug/l #	92
33) Carbon Tetrachloride	8.365	117	60387	19.872	ug/l	90
34) Benzene	8.606	78	224683	21.632	ug/l	93
35) Methacrylonitrile	7.783	41	41412	19.504	ug/l	96
36) 1,2-Dichloroethane	8.671	62	71333	20.459	ug/l	98
37) Trichloroethene	9.353	130	48376	19.016	ug/l	100
38) Methylcyclohexane	9.606	83	81507	20.724	ug/l	94
39) 1,2-Dichloropropane	9.624	63	57611	21.617	ug/l	92
40) Dibromomethane	9.712	93	36079	21.073	ug/l	87
41) Bromodichloromethane	9.888	83	74567	20.377	ug/l #	97
42) Vinyl Acetate	6.600	43	719705	100.754	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	71613	19.571	ug/l	95
44) Isopropyl Acetate	8.688	43	130806	20.136	ug/l	90
45) 1,4-Dioxane	9.694	88	22547	432.789	ug/l #	94
46) Methyl methacrylate	9.682	41	61029	20.564	ug/l	83
47) n-amyl Acetate	12.494	43	117424m	20.041	ug/l	
48) t-1,3-Dichloropropene	10.835	75	80770	20.353	ug/l	90
49) cis-1,3-Dichloropropene	10.312	75	90087	21.471	ug/l #	83
50) 1,1,2-Trichloroethane	11.018	97	48480	20.871	ug/l	90
51) Ethyl methacrylate	10.876	69	88718	20.237	ug/l	78
52) 1,3-Dichloropropane	11.165	76	87123	20.415	ug/l	99
53) Dibromochloromethane	11.359	129	48556	19.213	ug/l	98
54) 1,2-Dibromoethane	11.476	107	47680	20.582	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	213831	97.541	ug/l	97
56) Bromoform	12.582	173	28508	18.534	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	389763	103.857	ug/l #	87
59) 2-Hexanone	11.194	43	297460	106.902	ug/l #	89
61) Tetrachloroethene	11.106	164	40686	18.971	ug/l	91
62) Toluene	10.629	91	224148	20.611	ug/l	98
64) Chlorobenzene	11.894	112	135569	20.382	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	45163	20.745	ug/l	93
66) Ethyl Benzene	11.965	91	247796	20.788	ug/l	96
67) m/p-Xylenes	12.070	106	181014	40.957	ug/l	99
68) o-Xylene	12.400	106	91175	20.851	ug/l	100
69) Styrene	12.412	104	149047	20.305	ug/l	98
70) Isopropylbenzene	12.694	105	226863	20.428	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	66681	20.865	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	60350m	20.199	ug/l	
73) Bromobenzene	12.976	156	46650	19.623	ug/l	83
74) n-propylbenzene	13.035	91	278121	21.227	ug/l	98
75) 2-Chlorotoluene	13.123	91	167055	20.610	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	183978	20.467	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	27556	20.721	ug/l	90
78) 4-Chlorotoluene	13.223	91	161488	20.337	ug/l	98
79) tert-butylbenzene	13.441	119	151313	19.550	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	184255	20.406	ug/l	97
81) sec-Butylbenzene	13.617	105	225252	20.762	ug/l	100
82) p-Isopropyltoluene	13.729	119	179430	20.915	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	87190	20.369	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	86041	19.998	ug/l	99
85) n-Butylbenzene	14.059	91	168515	21.504	ug/l	96
86) Hexachloroethane	14.335	117	34148	19.963	ug/l	74
87) 1,2-Dichlorobenzene	14.112	146	83609	19.611	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12327	17.189	ug/l	96
89) 1,2,4-Trichlorobenzene	15.841	180	42014	17.897	ug/l	96
90) Hexachlorobutadiene	15.506	225	16058	18.470	ug/l	94
91) Naphthalene	15.641	128	165627	18.560	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	42014	17.897	ug/l	96

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

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