

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082003.D
 Acq On : 06 May 2024 12:23
 Operator : JC\MD
 Sample : VN0506WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD02

Quant Time: May 07 00:26:34 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

05/07/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.818	128	32329	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	187999	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	166566	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83350	30.793	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.633%
60) 4-Bromofluorobenzene	12.853	95	79441	28.658	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.533%
63) Toluene-d8	10.565	98	242554	30.663	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33260	18.124	ug/l	89
3) Chloromethane	2.359	50	42690	20.059	ug/l	99
4) Vinyl Chloride	2.518	62	38582	19.190	ug/l	89
5) Bromomethane	2.959	94	19627	18.709	ug/l	84
6) Chloroethane	3.124	64	22236	19.532	ug/l	94
7) Trichlorofluoromethane	3.500	101	53625	18.228	ug/l	98
8) Diethyl Ether	3.965	74	27814	19.530	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	35254	17.480	ug/l #	49
10) 1,1-Dichloroethene	4.342	96	36532	18.515	ug/l	96
11) Methyl Iodide	4.589	142	33260	18.445	ug/l	86
12) Methyl Acetate	5.024	43	56846	23.009	ug/l #	83
13) Acrolein	4.177	56	50302	95.797	ug/l	100
14) Acrylonitrile	5.718	53	121918	108.123	ug/l	65
15) Acetone	4.424	58	27969	110.692	ug/l	97
16) Carbon Disulfide	4.712	76	95713	17.509	ug/l	96
17) Allyl chloride	5.018	41	67397	19.455	ug/l	88
18) Methylene Chloride	5.277	84	44937	20.016	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	36064	17.559	ug/l	95
20) Diisopropyl ether	6.665	45	153027	19.966	ug/l	94
21) 1,1-Dichloroethane	6.565	63	79636	19.623	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	48372	19.327	ug/l	92
23) tert-Butyl Alcohol	5.518	59	48200	103.776	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	143436	20.164	ug/l #	85
25) Chloroform	7.971	83	76092	19.489	ug/l	90
26) Cyclohexane	8.265	56	66556	18.965	ug/l #	87
29) 1,1-Dichloropropene	8.371	75	52465	18.745	ug/l	98
30) 2-Butanone	7.482	43	162108	112.362	ug/l	95
31) 2,2-Dichloropropane	7.494	77	62913	21.934	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	61319	19.049	ug/l	95
33) Carbon Tetrachloride	8.359	117	47314	18.112	ug/l	97
34) Benzene	8.606	78	177863	19.920	ug/l	98
35) Methacrylonitrile	7.782	41	36918	20.226	ug/l	93
36) 1,2-Dichloroethane	8.665	62	57932	19.327	ug/l	100
37) Trichloroethene	9.353	130	37716	17.246	ug/l	89
38) Methylcyclohexane	9.600	83	64405	19.049	ug/l	98
39) 1,2-Dichloropropane	9.624	63	48562	21.196	ug/l	100
40) Dibromomethane	9.712	93	30866	20.971	ug/l	87
41) Bromodichloromethane	9.894	83	62471	19.858	ug/l	96
42) Vinyl Acetate	6.600	43	635031	103.413	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	63806	20.284	ug/l	96
44) Isopropyl Acetate	8.688	43	117141	20.976	ug/l #	88
45) 1,4-Dioxane	9.694	88	19368	432.458	ug/l #	92
46) Methyl methacrylate	9.682	41	53389	20.926	ug/l	81
47) n-amyl Acetate	12.494	43	100717	19.996	ug/l #	87
48) t-1,3-Dichloropropene	10.835	75	70387	20.633	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	72811	20.187	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	42161	21.114	ug/l #	87
51) Ethyl methacrylate	10.876	69	75393	20.005	ug/l	76
52) 1,3-Dichloropropane	11.165	76	75272	20.518	ug/l	99
53) Dibromochloromethane	11.359	129	41456	19.082	ug/l	100
54) 1,2-Dibromoethane	11.470	107	40431	20.302	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	198681	105.425	ug/l	96
56) Bromoform	12.582	173	24905	18.835	ug/l #	93
58) 4-Methyl-2-Pentanone	10.447	43	352396	108.959	ug/l #	88
59) 2-Hexanone	11.194	43	265590	110.756	ug/l #	88
61) Tetrachloroethene	11.106	164	32248	17.448	ug/l	89
62) Toluene	10.629	91	182094	19.430	ug/l	99
64) Chlorobenzene	11.894	112	110142	19.214	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.965	131	36106	19.244	ug/l	92
66) Ethyl Benzene	11.965	91	201794	19.643	ug/l	97
67) m/p-Xylenes	12.070	106	149830	39.338	ug/l	97
68) o-Xylene	12.400	106	74767	19.841	ug/l	96
69) Styrene	12.412	104	122170	19.313	ug/l	98
70) Isopropylbenzene	12.700	105	188138	19.658	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	62013	22.516	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	54532m	21.178	ug/l	
73) Bromobenzene	12.982	156	38017	18.556	ug/l	80
74) n-propylbenzene	13.035	91	222444	19.700	ug/l	98
75) 2-Chlorotoluene	13.129	91	133328	19.087	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	148684	19.193	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	25399	22.162	ug/l	93
78) 4-Chlorotoluene	13.223	91	131876	19.271	ug/l	99
79) tert-butylbenzene	13.441	119	126467	18.961	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	147772	18.991	ug/l	98
81) sec-Butylbenzene	13.617	105	184678	19.752	ug/l	98
82) p-Isopropyltoluene	13.729	119	141772	19.176	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	68343	18.526	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	70230	18.941	ug/l	99
85) n-Butylbenzene	14.059	91	134876	19.972	ug/l	98
86) Hexachloroethane	14.335	117	27805	18.862	ug/l	72
87) 1,2-Dichlorobenzene	14.106	146	68556	18.659	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11083	17.933	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	36614	18.098	ug/l	98
90) Hexachlorobutadiene	15.506	225	12225	16.316	ug/l	99
91) Naphthalene	15.647	128	144064	18.733	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	36614	18.098	ug/l	98

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

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