

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081822.D
 Acq On : 22 Apr 2024 12:11
 Operator : JC\MD
 Sample : VN0422WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS02

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

04/23/2024
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 23 06:55:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	14698	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.100	114	99887	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	131618	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	59986	33.221	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.733%#	
60) 4-Bromofluorobenzene	12.853	95	79968	30.903	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.000%	
63) Toluene-d8	10.565	98	161887	30.663	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.200%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32118	15.639	ug/l	98
3) Chloromethane	2.365	50	28335	15.902	ug/l	98
4) Vinyl Chloride	2.518	62	35720	19.495	ug/l	95
5) Bromomethane	2.965	94	31260	20.146	ug/l	94
6) Chloroethane	3.130	64	34955	24.375	ug/l	100
7) Trichlorofluoromethane	3.501	101	52114	17.325	ug/l	90
8) Diethyl Ether	3.959	74	20067	17.886	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	30822	14.935	ug/l	67
10) 1,1-Dichloroethene	4.348	96	30113	15.910	ug/l	97
11) Methyl Iodide	4.595	142	35316	16.476	ug/l	86
12) Methyl Acetate	5.024	43	34358m	19.769	ug/l	
13) Acrolein	4.177	56	22864	99.890	ug/l	97
14) Acrylonitrile	5.718	53	87648	101.315	ug/l	97
15) Acetone	4.424	58	18023	94.723	ug/l	95
16) Carbon Disulfide	4.706	76	84127	15.631	ug/l #	94
17) Allyl chloride	5.024	41	42993	18.778	ug/l	76
18) Methylene Chloride	5.283	84	39685	18.209	ug/l	91
19) trans-1,2-Dichloroethene	5.783	96	36332	17.505	ug/l	91
20) Diisopropyl ether	6.665	45	118372	21.715	ug/l	92
21) 1,1-Dichloroethane	6.571	63	70980	19.530	ug/l	92
22) cis-1,2-Dichloroethene	7.483	96	48282	19.264	ug/l	98
23) tert-Butyl Alcohol	5.506	59	27931m	90.949	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	117926	19.922	ug/l #	92
25) Chloroform	7.965	83	84496	20.433	ug/l	99
26) Cyclohexane	8.265	56	49218	16.893	ug/l #	87
29) 1,1-Dichloropropene	8.371	75	49524	18.859	ug/l	98
30) 2-Butanone	7.483	43	108595	108.280	ug/l #	96
31) 2,2-Dichloropropane	7.489	77	60134	18.384	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	70182	19.391	ug/l	98
33) Carbon Tetrachloride	8.365	117	59900m	18.259	ug/l	
34) Benzene	8.606	78	168919	19.968	ug/l	99
35) Methacrylonitrile	7.771	41	26704	23.508	ug/l	95
36) 1,2-Dichloroethane	8.671	62	67157	24.203	ug/l	96
37) Trichloroethene	9.359	130	41785	18.666	ug/l	85
38) Methylcyclohexane	9.600	83	48186	15.013	ug/l	95
39) 1,2-Dichloropropane	9.618	63	44101	22.346	ug/l	96
40) Dibromomethane	9.706	93	33212	21.126	ug/l	96
41) Bromodichloromethane	9.888	83	70056	21.853	ug/l #	97
42) Vinyl Acetate	6.600	43	465150	111.335	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	48189	21.802	ug/l	#	88
44) Isopropyl Acetate	8.689	43	82632	22.312	ug/l		95
45) 1,4-Dioxane	9.700	88	16209	396.476	ug/l	#	97
46) Methyl methacrylate	9.683	41	39742	23.863	ug/l		91
47) n-amyl Acetate	12.494	43	75912	22.843	ug/l		96
48) t-1,3-Dichloropropene	10.835	75	67957	22.250	ug/l		97
49) cis-1,3-Dichloropropene	10.318	75	71345	21.692	ug/l	#	92
50) 1,1,2-Trichloroethane	11.018	97	47593	22.609	ug/l		98
51) Ethyl methacrylate	10.871	69	61567	21.005	ug/l		82
52) 1,3-Dichloropropane	11.165	76	77874	22.570	ug/l		99
53) Dibromochloromethane	11.359	129	56692	22.546	ug/l		98
54) 1,2-Dibromoethane	11.465	107	47748	21.945	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	177146	123.076	ug/l		98
56) Bromoform	12.576	173	35078	21.817	ug/l	#	96
58) 4-Methyl-2-Pentanone	10.447	43	261496	115.530	ug/l	#	90
59) 2-Hexanone	11.194	43	191204	112.482	ug/l		90
61) Tetrachloroethene	11.106	164	47104	19.314	ug/l		91
62) Toluene	10.630	91	195466	20.413	ug/l		97
64) Chlorobenzene	11.888	112	124289	20.470	ug/l		93
65) 1,1,1,2-Tetrachloroethane	11.959	131	45746	20.741	ug/l		92
66) Ethyl Benzene	11.965	91	193627	19.019	ug/l		96
67) m/p-Xylenes	12.071	106	159346	39.514	ug/l		97
68) o-Xylene	12.400	106	78110	20.403	ug/l		91
69) Styrene	12.412	104	129360	19.841	ug/l		99
70) Isopropylbenzene	12.694	105	190076	19.245	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	59622	23.110	ug/l		100
72) 1,2,3-Trichloropropane	12.994	75	57437m	24.047	ug/l		
73) Bromobenzene	12.976	156	53210	21.742	ug/l		90
74) n-propylbenzene	13.035	91	224792	19.014	ug/l		99
75) 2-Chlorotoluene	13.124	91	138915	19.723	ug/l		92
76) 1,3,5-Trimethylbenzene	13.171	105	165682	19.764	ug/l		99
77) t-1,4-Dichloro-2-butene	12.741	75	20585	20.810	ug/l		96
78) 4-Chlorotoluene	13.224	91	144604	20.700	ug/l		96
79) tert-butylbenzene	13.441	119	137051	19.217	ug/l		96
80) 1,2,4-Trimethylbenzene	13.482	105	165470	19.793	ug/l		98
81) sec-Butylbenzene	13.618	105	190788	18.550	ug/l		100
82) p-Isopropyltoluene	13.729	119	157975	18.314	ug/l		98
83) 1,3-Dichlorobenzene	13.735	146	91924	20.098	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	91943	20.767	ug/l		98
85) n-Butylbenzene	14.059	91	133025	18.308	ug/l		98
86) Hexachloroethane	14.335	117	31721	19.249	ug/l		87
87) 1,2-Dichlorobenzene	14.106	146	90986	20.899	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.718	75	13232	23.526	ug/l		94
89) 1,2,4-Trichlorobenzene	15.841	180	50457	21.145	ug/l		96
90) Hexachlorobutadiene	15.500	225	17799	18.613	ug/l		94
91) Naphthalene	15.641	128	152173	19.836	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	50457	21.145	ug/l		96

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

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