

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051722\
 Data File : VN072532.D
 Acq On : 17 May 2022 16:13
 Operator : JC\MD
 Sample : VN0517WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 07:26:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	29350	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.969	114	152909	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	141526	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	92559	28.026	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	93.433%	
60) 4-Bromofluorobenzene	12.727	95	82440	29.833	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.433%	
63) Toluene-d8	10.439	98	237873	30.790	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.633%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	46298	18.990	ug/l	99
3) Chloromethane	2.299	50	41850	19.006	ug/l	99
4) Vinyl Chloride	2.440	62	31055	16.707	ug/l	95
5) Bromomethane	2.846	94	23446	15.507	ug/l	86
6) Chloroethane	3.010	64	21867	18.014	ug/l #	81
7) Trichlorofluoromethane	3.369	101	72966	16.617	ug/l	98
8) Diethyl Ether	3.822	74	23858	18.062	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.204	101	38277	18.501	ug/l #	66
10) 1,1-Dichloroethene	4.181	96	35537	19.049	ug/l	99
11) Methyl Iodide	4.422	142	51161	18.211	ug/l	98
12) Methyl Acetate	4.851	43	50744	16.814	ug/l	92
13) Acrolein	4.040	56	46979	99.069	ug/l	99
14) Acrylonitrile	5.551	53	103587	81.354	ug/l	99
15) Acetone	4.281	58	28833	86.356	ug/l	94
16) Carbon Disulfide	4.534	76	84877	17.540	ug/l	98
17) Allyl chloride	4.834	41	59150m	17.566	ug/l	
18) Methylene Chloride	5.092	84	41485	18.787	ug/l	96
19) trans-1,2-Dichloroethene	5.598	96	37281	18.195	ug/l	92
20) Diisopropyl ether	6.492	45	129255	18.464	ug/l	94
21) 1,1-Dichloroethane	6.386	63	71382	17.051	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	46424	19.298	ug/l	96
23) tert-Butyl Alcohol	5.369	59	27711m	49.616	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	139885m	18.278	ug/l	
25) Chloroform	7.810	83	82799	18.338	ug/l	97
26) Cyclohexane	8.092	56	62922	18.521	ug/l #	98
29) 1,1-Dichloropropene	8.222	75	59053	19.392	ug/l	97
30) 2-Butanone	7.328	43	137008	77.733	ug/l	97
31) 2,2-Dichloropropane	7.322	77	72008	19.059	ug/l #	81
32) 1,1,1-Trichloroethane	8.004	97	77775	17.905	ug/l	96
33) Carbon Tetrachloride	8.204	117	70244	18.197	ug/l	98
34) Benzene	8.457	78	168879	19.516	ug/l	95
35) Methacrylonitrile	7.633	41	27854	14.947	ug/l	91
36) 1,2-Dichloroethane	8.527	62	72721	18.046	ug/l	99
37) Trichloroethene	9.216	130	46136	19.653	ug/l	94
38) Methylcyclohexane	9.457	83	67710	19.231	ug/l	92
39) 1,2-Dichloropropane	9.480	63	43719	20.057	ug/l	96
40) Dibromomethane	9.575	93	30703	18.247	ug/l	91
41) Bromodichloromethane	9.757	83	66173	18.563	ug/l	100
42) Vinyl Acetate	6.428	43	553763	93.346	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	62734	18.226	ug/l	97
44) Isopropyl Acetate	8.551	43	96349	17.487	ug/l #	89
45) 1,4-Dioxane	9.569	88	9681	184.474	ug/l	91
46) Methyl methacrylate	9.557	41	44311	16.996	ug/l	89
47) n-amyl Acetate	12.386	43	65102	17.650	ug/l	99
48) t-1,3-Dichloropropene	10.710	75	67459	17.926	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	70088	18.478	ug/l	98
50) 1,1,2-Trichloroethane	10.892	97	45127	19.444	ug/l	96
51) Ethyl methacrylate	10.757	69	63482	17.541	ug/l	90
52) 1,3-Dichloropropane	11.039	76	76243	19.014	ug/l	100
53) Dibromochloromethane	11.233	129	50646	18.073	ug/l	98
54) 1,2-Dibromoethane	11.339	107	47340	19.175	ug/l	95
55) 2-Chloroethyl vinyl ether	10.039	63	90142	98.167	ug/l	98
56) Bromoform	12.451	173	35577	16.834	ug/l #	97
58) 4-Methyl-2-Pentanone	10.327	43	292267	87.640	ug/l	97
59) 2-Hexanone	11.080	43	202989	82.857	ug/l	97
61) Tetrachloroethene	10.969	164	45555	21.494	ug/l	87
62) Toluene	10.498	91	194273	20.319	ug/l	99
64) Chlorobenzene	11.768	112	114316	19.167	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	47186	19.135	ug/l	99
66) Ethyl Benzene	11.839	91	211780	19.693	ug/l	100
67) m/p-Xylenes	11.945	106	162009	39.734	ug/l	96
68) o-Xylene	12.280	106	79789	19.797	ug/l	99
69) Styrene	12.292	104	124079	19.330	ug/l	96
70) Isopropylbenzene	12.574	105	215544	20.154	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	63236	19.362	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	52330m	17.084	ug/l	
73) Bromobenzene	12.857	156	50485	19.615	ug/l	96
74) n-propylbenzene	12.915	91	239927	20.493	ug/l	100
75) 2-Chlorotoluene	13.004	91	146364	19.349	ug/l	98
76) 1,3,5-Trimethylbenzene	13.057	105	187919	20.544	ug/l	99
77) t-1,4-Dichloro-2-butene	12.621	75	16674	16.475	ug/l	83
78) 4-Chlorotoluene	13.098	91	145062	20.460	ug/l	94
79) tert-butylbenzene	13.321	119	156988	19.534	ug/l	98
80) 1,2,4-Trimethylbenzene	13.362	105	175472m	19.907	ug/l	
81) sec-Butylbenzene	13.498	105	218505	20.507	ug/l	99
82) p-Isopropyltoluene	13.610	119	179087	20.308	ug/l	99
83) 1,3-Dichlorobenzene	13.610	146	89870	20.454	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	85614	20.024	ug/l	98
85) n-Butylbenzene	13.939	91	131424	20.111	ug/l	97
86) Hexachloroethane	14.204	117	29313	18.052	ug/l	89
87) 1,2-Dichlorobenzene	13.986	146	88667	20.641	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	12737	16.568	ug/l	93
89) 1,2,4-Trichlorobenzene	15.262	180	37456	19.263	ug/l	97
90) Hexachlorobutadiene	15.368	225	25770	21.444	ug/l	99
91) Naphthalene	15.504	128	95655	19.327	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	37815	19.105	ug/l	98

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

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