

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074630.D
 Acq On : 27 Sep 2022 16:28
 Operator : JC\MD
 Sample : VN0927WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/28/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 08:04:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:48:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.492	128	123428	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.827	114	746530	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.621	117	663984	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	354542	30.464	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.533%			
60) 4-Bromofluorobenzene	12.610	95	365379	28.329	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.433%			
63) Toluene-d8	10.310	98	1159554	30.961	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.998	85	152161	20.977	ug/l	95
3) Chloromethane	2.216	50	240895	22.615	ug/l	99
4) Vinyl Chloride	2.351	62	316045	23.175	ug/l	96
5) Bromomethane	2.728	94	219214	24.940	ug/l	85
6) Chloroethane	2.893	64	220829	22.909	ug/l	94
7) Trichlorofluoromethane	3.240	101	274385	21.663	ug/l	89
8) Diethyl Ether	3.675	74	139605	20.896	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.051	101	179655	22.125	ug/l	95
10) 1,1-Dichloroethene	4.022	96	176127	21.035	ug/l	95
11) Methyl Iodide	4.245	142	204359	19.056	ug/l	99
12) Methyl Acetate	4.663	43	374538	20.893	ug/l	99
13) Acrolein	3.892	56	148367	101.687	ug/l	97
14) Acrylonitrile	5.357	53	768801	105.806	ug/l	97
15) Acetone	4.122	58	193765	101.530	ug/l	89
16) Carbon Disulfide	4.357	76	493956	20.992	ug/l	97
17) Allyl chloride	4.651	41	372464	21.815	ug/l	98
18) Methylene Chloride	4.910	84	224832	21.064	ug/l	96
19) trans-1,2-Dichloroethene	5.398	96	188433	19.913	ug/l	93
20) Diisopropyl ether	6.304	45	778527	20.846	ug/l	95
21) 1,1-Dichloroethane	6.198	63	405469	21.498	ug/l	99
22) cis-1,2-Dichloroethene	7.151	96	232997	20.408	ug/l	99
23) tert-Butyl Alcohol	5.169	59	323095	107.988	ug/l #	100
24) Methyl tert-Butyl Ether	5.422	73	704665	20.310	ug/l	99
25) Chloroform	7.657	83	381642	20.411	ug/l	96
26) Cyclohexane	7.933	56	376654	22.208	ug/l #	100
29) 1,1-Dichloropropene	8.069	75	285166	20.451	ug/l	81
30) 2-Butanone	7.163	43	1095008	102.932	ug/l	100
31) 2,2-Dichloropropane	7.151	77	332999	20.005	ug/l	99
32) 1,1,1-Trichloroethane	7.851	97	322646	19.588	ug/l	97
33) Carbon Tetrachloride	8.051	117	263971	19.161	ug/l	95
34) Benzene	8.310	78	907299	19.656	ug/l	94
35) Methacrylonitrile	7.475	41	179497	17.735	ug/l	92
36) 1,2-Dichloroethane	8.386	62	281542	18.679	ug/l	97
37) Trichloroethene	9.074	130	192584	19.648	ug/l	88
38) Methylcyclohexane	9.322	83	376125	20.842	ug/l	98
39) 1,2-Dichloropropane	9.351	63	247877	20.282	ug/l	97
40) Dibromomethane	9.445	93	153396	19.452	ug/l	99
41) Bromodichloromethane	9.627	83	310612	19.815	ug/l	97
42) Vinyl Acetate	6.239	43	3482185	100.699	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.239	43	449663	21.824	ug/l	97
44) Isopropyl Acetate	8.416	43	688975	20.592	ug/l	99
45) 1,4-Dioxane	9.433	88	121523	425.618	ug/l	98
46) Methyl methacrylate	9.422	41	281116	20.173	ug/l	94
47) n-amyl Acetate	12.268	43	583529	19.055	ug/l	98
48) t-1,3-Dichloropropene	10.592	75	366924	19.281	ug/l	97
49) cis-1,3-Dichloropropene	10.057	75	378066	19.092	ug/l	93
50) 1,1,2-Trichloroethane	10.774	97	223143	19.463	ug/l	95
51) Ethyl methacrylate	10.639	69	405843	18.879	ug/l	98
52) 1,3-Dichloropropane	10.921	76	394613	19.420	ug/l	97
53) Dibromochloromethane	11.116	129	224127	18.497	ug/l	97
54) 1,2-Dibromoethane	11.221	107	223229	18.821	ug/l	98
55) 2-Chloroethyl vinyl ether	9.910	63	834835	100.069	ug/l	99
56) Bromoform	12.333	173	152696	16.123	ug/l	98
58) 4-Methyl-2-Pentanone	10.204	43	2196118	106.578	ug/l	99
59) 2-Hexanone	10.963	43	1690506	105.924	ug/l	99
61) Tetrachloroethene	10.851	164	152439	20.581	ug/l	100
62) Toluene	10.374	91	977303	20.101	ug/l	99
64) Chlorobenzene	11.645	112	563941	20.242	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.715	131	205343	19.617	ug/l	98
66) Ethyl Benzene	11.721	91	1066125	20.649	ug/l	99
67) m/p-Xylenes	11.827	106	804901	38.828	ug/l	100
68) o-Xylene	12.157	106	402423	19.067	ug/l	99
69) Styrene	12.168	104	660186	18.593	ug/l	99
70) Isopropylbenzene	12.457	105	1026792	19.069	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.704	83	380271	19.894	ug/l	97
72) 1,2,3-Trichloropropane	12.757	75	278020m	19.214	ug/l	
73) Bromobenzene	12.739	156	208618	19.282	ug/l	96
74) n-propylbenzene	12.798	91	1202386	19.817	ug/l	99
75) 2-Chlorotoluene	12.880	91	711860	19.341	ug/l	100
76) 1,3,5-Trimethylbenzene	12.939	105	854007	18.810	ug/l	100
77) t-1,4-Dichloro-2-butene	12.504	75	144626	19.297	ug/l	95
78) 4-Chlorotoluene	12.980	91	675382	18.310	ug/l	99
79) tert-butylbenzene	13.198	119	753607	18.971	ug/l	99
80) 1,2,4-Trimethylbenzene	13.245	105	823733	18.369	ug/l	100
81) sec-Butylbenzene	13.374	105	1046400	18.608	ug/l	99
82) p-Isopropyltoluene	13.492	119	831448	17.973	ug/l	99
83) 1,3-Dichlorobenzene	13.492	146	389273	17.507	ug/l	97
84) 1,4-Dichlorobenzene	13.568	146	381248	17.239	ug/l	99
85) n-Butylbenzene	13.821	91	718474	18.204	ug/l	99
86) Hexachloroethane	14.080	117	172304	19.337	ug/l	97
87) 1,2-Dichlorobenzene	13.862	146	402608	17.702	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.480	75	77278	19.304	ug/l	96
89) 1,2,4-Trichlorobenzene	15.127	180	183050	19.296	ug/l	98
90) Hexachlorobutadiene	15.233	225	83438	19.963	ug/l	98
91) Naphthalene	15.362	128	768199	19.302	ug/l	99
92) 1,2,3-Trichlorobenzene	15.556	180	178683	18.787	ug/l	97

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

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