

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075056.D
 Acq On : 28 Oct 2022 13:09
 Operator : JC\MD
 Sample : VN1028WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 31 01:49:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	14373	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	81344	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	76519	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	43399	33.023	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.067%#			
60) 4-Bromofluorobenzene	12.847	95	43267	28.778	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.933%			
63) Toluene-d8	10.571	98	129711	30.308	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	13277	18.976	ug/l	94
3) Chloromethane	2.377	50	20465	22.236	ug/l	89
4) Vinyl Chloride	2.524	62	28207	20.268	ug/l	97
5) Bromomethane	2.942	94	23578	21.428	ug/l	97
6) Chloroethane	3.118	64	21933	20.431	ug/l	100
7) Trichlorofluoromethane	3.501	101	33389	22.294	ug/l	92
8) Diethyl Ether	3.971	74	12524	20.338	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.383	101	19393	22.089	ug/l	60
10) 1,1-Dichloroethene	4.353	96	17734	21.536	ug/l	88
11) Methyl Iodide	4.595	142	25626	19.948	ug/l	99
12) Methyl Acetate	5.042	43	28512	20.440	ug/l	93
13) Acrolein	4.195	56	17150	100.378	ug/l	100
14) Acrylonitrile	5.730	53	59358	102.996	ug/l	95
15) Acetone	4.442	58	15226	94.564	ug/l	94
16) Carbon Disulfide	4.724	76	36919	20.366	ug/l	97
17) Allyl chloride	5.042	41	26000m	23.564	ug/l	
18) Methylene Chloride	5.277	84	21770	21.102	ug/l	91
19) trans-1,2-Dichloroethene	5.795	96	18800	20.536	ug/l	96
20) Diisopropyl ether	6.683	45	59020	20.609	ug/l	91
21) 1,1-Dichloroethane	6.577	63	37827	21.267	ug/l #	93
22) cis-1,2-Dichloroethene	7.494	96	23533	20.344	ug/l	98
23) tert-Butyl Alcohol	5.547	59	25127m	94.185	ug/l	
24) Methyl tert-Butyl Ether	5.812	73	69714	20.699	ug/l	92
25) Chloroform	7.971	83	41477	21.108	ug/l	97
26) Cyclohexane	8.259	56	28676	20.070	ug/l #	90
29) 1,1-Dichloropropene	8.377	75	27505	19.713	ug/l	99
30) 2-Butanone	7.494	43	78479	97.571	ug/l	96
31) 2,2-Dichloropropane	7.494	77	33255	19.512	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	36587	20.247	ug/l	100
33) Carbon Tetrachloride	8.371	117	30644	19.259	ug/l	97
34) Benzene	8.612	78	88088	20.651	ug/l	94
35) Methacrylonitrile	7.788	41	15715	20.385	ug/l	94
36) 1,2-Dichloroethane	8.677	62	33569	21.238	ug/l	100
37) Trichloroethene	9.359	130	21646	20.421	ug/l	96
38) Methylcyclohexane	9.600	83	33284	19.239	ug/l	96
39) 1,2-Dichloropropane	9.624	63	21542	20.061	ug/l	96
40) Dibromomethane	9.712	93	16567	20.335	ug/l	99
41) Bromodichloromethane	9.888	83	32441	20.453	ug/l #	96
42) Vinyl Acetate	6.612	43	256039m	113.012	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	30805	19.379	ug/l	99
44) Isopropyl Acetate	8.694	43	50284	19.721	ug/l	96
45) 1,4-Dioxane	9.700	88	11511	366.782	ug/l #	90
46) Methyl methacrylate	9.682	41	23288	20.360	ug/l	91
47) n-amyl Acetate	12.494	43	40451	18.467	ug/l	96
48) t-1,3-Dichloropropene	10.835	75	32766	18.909	ug/l	96
49) cis-1,3-Dichloropropene	10.318	75	36074	19.807	ug/l #	82
50) 1,1,2-Trichloroethane	11.018	97	24057	20.156	ug/l	95
51) Ethyl methacrylate	10.877	69	34789	18.707	ug/l	85
52) 1,3-Dichloropropane	11.165	76	40304	20.190	ug/l	98
53) Dibromochloromethane	11.365	129	24225	18.765	ug/l	96
54) 1,2-Dibromoethane	11.471	107	23577	19.093	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	75057	98.790	ug/l	98
56) Bromoform	12.582	173	16343	17.243	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	166238	100.720	ug/l	95
59) 2-Hexanone	11.200	43	126298	99.750	ug/l	96
61) Tetrachloroethene	11.100	164	18887	22.194	ug/l	95
62) Toluene	10.629	91	100636	20.313	ug/l	96
64) Chlorobenzene	11.894	112	60762	19.792	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	22944	19.563	ug/l	97
66) Ethyl Benzene	11.965	91	111029	19.885	ug/l	95
67) m/p-Xylenes	12.071	106	87557	39.101	ug/l	97
68) o-Xylene	12.400	106	42509	18.886	ug/l	98
69) Styrene	12.412	104	68828	18.698	ug/l	97
70) Isopropylbenzene	12.700	105	111355	18.988	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	36646	19.183	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	28439m	16.394	ug/l	
73) Bromobenzene	12.982	156	24099	18.461	ug/l	92
74) n-propylbenzene	13.035	91	129707	19.750	ug/l	100
75) 2-Chlorotoluene	13.129	91	78531	19.649	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	96179	19.360	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	10858	17.919	ug/l	94
78) 4-Chlorotoluene	13.223	91	75522	19.454	ug/l	96
79) tert-butylbenzene	13.441	119	82191	18.529	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	95055	18.810	ug/l #	81
81) sec-Butylbenzene	13.618	105	119343	19.138	ug/l	100
82) p-Isopropyltoluene	13.729	119	96151	18.277	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	46043	17.836	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	44795	17.986	ug/l	96
85) n-Butylbenzene	14.059	91	75546	17.904	ug/l	96
86) Hexachloroethane	14.335	117	16961	17.398	ug/l	94
87) 1,2-Dichlorobenzene	14.106	146	47422	18.572	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	7086	17.647	ug/l	96
89) 1,2,4-Trichlorobenzene	15.394	180	20867	18.502	ug/l	98
90) Hexachlorobutadiene	15.506	225	9865	19.019	ug/l	95
91) Naphthalene	15.641	128	74700	16.712	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	20519	17.973	ug/l	98

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

