

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075063.D
 Acq On : 28 Oct 2022 16:12
 Operator : JC\MD
 Sample : VN1028WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 02:54:59 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	7.812	128	12336	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	74842	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	68472	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	38971	34.551	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 115.167%#			
60) 4-Bromofluorobenzene	12.853	95	39949	29.694	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.967%			
63) Toluene-d8	10.571	98	115168	30.073	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.233%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	14612	24.332	ug/l	99
3) Chloromethane	2.371	50	16848	21.328	ug/l	98
4) Vinyl Chloride	2.518	62	25653	21.476	ug/l	99
5) Bromomethane	2.912	94	18630	19.727	ug/l	100
6) Chloroethane	3.089	64	20304	22.037	ug/l	99
7) Trichlorofluoromethane	3.483	101	31729	24.684	ug/l	94
8) Diethyl Ether	3.965	74	12199	23.081	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.371	101	17071	22.655	ug/l	75
10) 1,1-Dichloroethene	4.342	96	16061	22.725	ug/l	92
11) Methyl Iodide	4.589	142	24041	21.804	ug/l	99
12) Methyl Acetate	5.047	43	27333	22.830	ug/l	98
13) Acrolein	4.183	56	16957	115.637	ug/l	99
14) Acrylonitrile	5.730	53	54167	109.509	ug/l	98
15) Acetone	4.447	58	15740	113.898	ug/l	95
16) Carbon Disulfide	4.706	76	31736	20.397	ug/l	98
17) Allyl chloride	5.030	41	24173m	25.526	ug/l	
18) Methylene Chloride	5.277	84	22038	24.890	ug/l	94
19) trans-1,2-Dichloroethene	5.789	96	17645	22.457	ug/l	93
20) Diisopropyl ether	6.683	45	54484	22.167	ug/l	95
21) 1,1-Dichloroethane	6.577	63	35608	23.325	ug/l	95
22) cis-1,2-Dichloroethene	7.483	96	21444m	21.599	ug/l	
23) tert-Butyl Alcohol	5.553	59	24997	109.170	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	66937	23.157	ug/l #	90
25) Chloroform	7.965	83	37496	22.233	ug/l	99
26) Cyclohexane	8.265	56	26657	21.737	ug/l #	96
29) 1,1-Dichloropropene	8.371	75	24671	19.218	ug/l	96
30) 2-Butanone	7.488	43	74224	100.298	ug/l	97
31) 2,2-Dichloropropane	7.494	77	30952	19.738	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	32693	19.664	ug/l	99
33) Carbon Tetrachloride	8.371	117	27101	18.512	ug/l	97
34) Benzene	8.612	78	79176	20.174	ug/l #	95
35) Methacrylonitrile	7.782	41	14713	20.743	ug/l	94
36) 1,2-Dichloroethane	8.671	62	30041	20.658	ug/l	99
37) Trichloroethene	9.353	130	18819	19.296	ug/l	100
38) Methylcyclohexane	9.600	83	30153	18.943	ug/l	95
39) 1,2-Dichloropropane	9.624	63	20171	20.416	ug/l	90
40) Dibromomethane	9.712	93	14501	19.346	ug/l	96
41) Bromodichloromethane	9.894	83	28337	19.417	ug/l	96
42) Vinyl Acetate	6.612	43	230330m	110.497	ug/l	

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43) Ethyl Acetate	7.565	43	28704	19.626	ug/l	99
44) Isopropyl Acetate	8.694	43	45031	19.195	ug/l	95
45) 1,4-Dioxane	9.700	88	11708	405.469	ug/l #	91
46) Methyl methacrylate	9.688	41	20856	19.818	ug/l	88
47) n-amyl Acetate	12.494	43	40720	20.205	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	29380	18.428	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	31429	18.756	ug/l	91
50) 1,1,2-Trichloroethane	11.023	97	21637	19.703	ug/l	98
51) Ethyl methacrylate	10.876	69	32796	19.168	ug/l	90
52) 1,3-Dichloropropane	11.165	76	36279	19.752	ug/l	100
53) Dibromochloromethane	11.359	129	21833	18.382	ug/l	99
54) 1,2-Dibromoethane	11.470	107	21552	18.970	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	80680	115.416	ug/l	98
56) Bromoform	12.582	173	13920	15.963	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	153030	103.614	ug/l	95
59) 2-Hexanone	11.200	43	117494	103.703	ug/l	93
61) Tetrachloroethene	11.106	164	16572	21.763	ug/l	86
62) Toluene	10.629	91	89818	20.260	ug/l	98
64) Chlorobenzene	11.894	112	54762	19.933	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	19709	18.780	ug/l	95
66) Ethyl Benzene	11.965	91	97591	19.533	ug/l	100
67) m/p-Xylenes	12.070	106	76953	38.404	ug/l	96
68) o-Xylene	12.400	106	40224	19.971	ug/l	93
69) Styrene	12.412	104	62244	18.897	ug/l	99
70) Isopropylbenzene	12.700	105	101121	19.269	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	34586	20.232	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	27946m	18.003	ug/l	
73) Bromobenzene	12.982	156	21293	18.229	ug/l	88
74) n-propylbenzene	13.035	91	114910	19.553	ug/l	100
75) 2-Chlorotoluene	13.129	91	70179	19.623	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	84531	19.015	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	9466	17.458	ug/l	97
78) 4-Chlorotoluene	13.223	91	68901	19.835	ug/l	98
79) tert-butylbenzene	13.441	119	74710	18.822	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	86621	19.155	ug/l #	81
81) sec-Butylbenzene	13.617	105	107926	19.341	ug/l	99
82) p-Isopropyltoluene	13.729	119	85559	18.175	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	43023	18.625	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	42116	18.898	ug/l	98
85) n-Butylbenzene	14.059	91	69976	18.533	ug/l	97
86) Hexachloroethane	14.335	117	15225	17.453	ug/l	92
87) 1,2-Dichlorobenzene	14.106	146	42487	18.595	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	6983	19.434	ug/l	96
89) 1,2,4-Trichlorobenzene	15.394	180	19141	18.966	ug/l	97
90) Hexachlorobutadiene	15.506	225	9018	19.429	ug/l	98
91) Naphthalene	15.641	128	73204	18.302	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	18633	18.239	ug/l	98

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

