

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075057.D
 Acq On : 28 Oct 2022 13:48
 Operator : JC\MD
 Sample : VN1028WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 31 01:50:16 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

10/31/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.818	128	12411	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	73456	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	67882	30.000	ug/l	0.00

10/31/2022

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	38299	33.750	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 112.500%#	
60) 4-Bromofluorobenzene	12.853	95	39060	29.285	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 97.633%	
63) Toluene-d8	10.571	98	116302	30.633	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.100%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	15353	25.411	ug/l	96
3) Chloromethane	2.371	50	20003	25.169	ug/l	98
4) Vinyl Chloride	2.524	62	30882	25.698	ug/l	98
5) Bromomethane	2.918	94	28565	30.065	ug/l	98
6) Chloroethane	3.106	64	23615	25.476	ug/l	96
7) Trichlorofluoromethane	3.495	101	35544	27.485	ug/l	99
8) Diethyl Ether	3.965	74	14313	26.917	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	21469m	28.320	ug/l	
10) 1,1-Dichloroethene	4.342	96	18514	26.038	ug/l	95
11) Methyl Iodide	4.595	142	29061	26.198	ug/l	97
12) Methyl Acetate	5.036	43	31749	26.358	ug/l	97
13) Acrolein	4.195	56	17096	115.881	ug/l	97
14) Acrylonitrile	5.730	53	62520	125.632	ug/l	98
15) Acetone	4.436	58	21611	155.437	ug/l	81
16) Carbon Disulfide	4.718	76	40315	25.755	ug/l #	94
17) Allyl chloride	5.030	41	25165	26.413	ug/l	90
18) Methylene Chloride	5.283	84	23767	26.680	ug/l	98
19) trans-1,2-Dichloroethene	5.789	96	21385	27.052	ug/l	89
20) Diisopropyl ether	6.677	45	65358	26.430	ug/l	92
21) 1,1-Dichloroethane	6.571	63	41149	26.792	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	25004	25.033	ug/l	98
23) tert-Butyl Alcohol	5.547	59	30227	131.213	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	75749	26.047	ug/l	93
25) Chloroform	7.971	83	45557	26.849	ug/l	100
26) Cyclohexane	8.265	56	33151	26.869	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	31604	25.083	ug/l	96
30) 2-Butanone	7.489	43	89620	123.387	ug/l	100
31) 2,2-Dichloropropane	7.494	77	38931	25.295	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	39371	24.127	ug/l	97
33) Carbon Tetrachloride	8.371	117	34040	23.691	ug/l	94
34) Benzene	8.612	78	95949	24.909	ug/l	96
35) Methacrylonitrile	7.783	41	16060	23.069	ug/l	91
36) 1,2-Dichloroethane	8.677	62	35333	24.755	ug/l	98
37) Trichloroethene	9.353	130	23618	24.674	ug/l	94
38) Methylcyclohexane	9.606	83	37610	24.074	ug/l	97
39) 1,2-Dichloropropane	9.624	63	24079	24.831	ug/l	97
40) Dibromomethane	9.712	93	17699	24.058	ug/l	100
41) Bromodichloromethane	9.888	83	34858	24.337	ug/l	89
42) Vinyl Acetate	6.612	43	278112m	135.937	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	34756	24.213	ug/l	99
44) Isopropyl Acetate	8.694	43	53790	23.361	ug/l	96
45) 1,4-Dioxane	9.700	88	12963	457.403	ug/l	96
46) Methyl methacrylate	9.682	41	24456	23.677	ug/l	93
47) n-amyl Acetate	12.494	43	46132	23.322	ug/l	95
48) t-1,3-Dichloropropene	10.841	75	36885	23.572	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	38540	23.433	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	26029	24.150	ug/l	97
51) Ethyl methacrylate	10.877	69	39763	23.678	ug/l	84
52) 1,3-Dichloropropane	11.165	76	43151	23.937	ug/l	99
53) Dibromochloromethane	11.365	129	26547	22.772	ug/l	95
54) 1,2-Dibromoethane	11.471	107	25480	22.850	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	70826	103.231	ug/l	99
56) Bromoform	12.582	173	18327	21.413	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	176814	120.758	ug/l	95
59) 2-Hexanone	11.200	43	137295	122.233	ug/l	94
61) Tetrachloroethene	11.106	164	20890	27.671	ug/l	88
62) Toluene	10.630	91	110376	25.114	ug/l	96
64) Chlorobenzene	11.894	112	66618	24.460	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	25086	24.111	ug/l	98
66) Ethyl Benzene	11.965	91	121198	24.469	ug/l	100
67) m/p-Xylenes	12.071	106	97074	48.867	ug/l	96
68) o-Xylene	12.400	106	47921	23.999	ug/l	98
69) Styrene	12.412	104	75503	23.121	ug/l	99
70) Isopropylbenzene	12.700	105	123046	23.651	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	40569	23.938	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	31668m	20.578	ug/l	
73) Bromobenzene	12.982	156	26491	22.876	ug/l	91
74) n-propylbenzene	13.041	91	142919	24.531	ug/l	99
75) 2-Chlorotoluene	13.123	91	85043	23.986	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	105196	23.869	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	11742	21.844	ug/l	87
78) 4-Chlorotoluene	13.223	91	83441	24.229	ug/l	98
79) tert-butylbenzene	13.441	119	92121	23.410	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	105196m	23.465	ug/l	
81) sec-Butylbenzene	13.618	105	131494	23.769	ug/l	100
82) p-Isopropyltoluene	13.729	119	108129	23.169	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	51488	22.483	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	50943	23.058	ug/l	99
85) n-Butylbenzene	14.059	91	90369	24.142	ug/l	98
86) Hexachloroethane	14.335	117	19350	22.374	ug/l	93
87) 1,2-Dichlorobenzene	14.106	146	52550	23.199	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	7937	22.281	ug/l	97
89) 1,2,4-Trichlorobenzene	15.394	180	23535	23.523	ug/l	99
90) Hexachlorobutadiene	15.506	225	11403	24.781	ug/l	96
91) Naphthalene	15.641	128	85085	21.457	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	23745	23.445	ug/l	97

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

