

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112524\
 Data File : VN085033.D
 Acq On : 25 Nov 2024 17:27
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 05:55:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	25622	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137355	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	126045	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	62795	30.485	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.633%			
60) 4-Bromofluorobenzene	12.847	95	64645	29.786	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.300%			
63) Toluene-d8	10.565	98	177726	29.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.267%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	29825	20.014	ug/l	95
3) Chloromethane	2.359	50	33165	18.485	ug/l	92
4) Vinyl Chloride	2.512	62	30337	18.209	ug/l	92
5) Bromomethane	2.901	94	16953	20.048	ug/l	98
6) Chloroethane	3.071	64	21010	19.206	ug/l	93
7) Trichlorofluoromethane	3.465	101	53611	19.814	ug/l	96
8) Diethyl Ether	3.953	74	18295	18.956	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.348	101	32078m	20.978	ug/l	
10) 1,1-Dichloroethene	4.324	96	28138	18.844	ug/l	90
11) Methyl Iodide	4.577	142	39506	19.250	ug/l	86
12) Methyl Acetate	5.018	43	40004	17.187	ug/l	97
13) Acrolein	4.171	56	29162	101.601	ug/l	100
14) Acrylonitrile	5.718	53	72537	95.264	ug/l	100
15) Acetone	4.430	58	21092	107.807	ug/l	93
16) Carbon Disulfide	4.695	76	77424	17.622	ug/l	98
17) Allyl chloride	5.012	41	44644	17.546	ug/l	95
18) Methylene Chloride	5.265	84	32813	18.753	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	28924	18.480	ug/l	88
20) Diisopropyl ether	6.671	45	95967	18.841	ug/l	98
21) 1,1-Dichloroethane	6.559	63	58172	18.991	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	36200	19.373	ug/l	91
23) tert-Butyl Alcohol	5.536	59	29825	112.198	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	92660	19.189	ug/l	100
25) Chloroform	7.965	83	63225	20.146	ug/l	94
26) Cyclohexane	8.247	56	44580	19.053	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	39714	19.196	ug/l	99
30) 2-Butanone	7.477	43	98968	103.705	ug/l	100
31) 2,2-Dichloropropane	7.489	77	54625	21.630	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	55332	19.686	ug/l	99
33) Carbon Tetrachloride	8.359	117	48046	20.033	ug/l	97
34) Benzene	8.600	78	131526	19.234	ug/l	95
35) Methacrylonitrile	7.771	41	20433	18.065	ug/l	96
36) 1,2-Dichloroethane	8.665	62	45727	20.108	ug/l	99
37) Trichloroethene	9.347	130	29575	19.171	ug/l	96
38) Methylcyclohexane	9.594	83	40065	17.989	ug/l	99
39) 1,2-Dichloropropane	9.618	63	31583	19.186	ug/l	90
40) Dibromomethane	9.706	93	23314	20.245	ug/l	99
41) Bromodichloromethane	9.882	83	47227	19.130	ug/l	97
42) Vinyl Acetate	6.600	43	341106	95.625	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	41277	20.584	ug/l	98
44) Isopropyl Acetate	8.688	43	68995	16.992	ug/l	97
45) 1,4-Dioxane	9.700	88	9802	361.582	ug/l #	90
46) Methyl methacrylate	9.677	41	29399	18.017	ug/l	90
47) n-amyl Acetate	12.494	43	54723	18.045	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	45141	18.518	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	48530	18.575	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	30679	19.861	ug/l	94
51) Ethyl methacrylate	10.871	69	43660	18.337	ug/l	94
52) 1,3-Dichloropropane	11.165	76	51161	19.081	ug/l	99
53) Dibromochloromethane	11.359	129	35850	19.832	ug/l	99
54) 1,2-Dibromoethane	11.465	107	30266	19.373	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	116217	99.557	ug/l	99
56) Bromoform	12.576	173	23214	19.159	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	194803	97.964	ug/l	99
59) 2-Hexanone	11.194	43	143144	98.306	ug/l	99
61) Tetrachloroethene	11.100	164	25694	19.478	ug/l	98
62) Toluene	10.629	91	135769	18.912	ug/l	98
64) Chlorobenzene	11.888	112	81571	18.822	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	31384	19.704	ug/l	97
66) Ethyl Benzene	11.965	91	137642	18.244	ug/l	96
67) m/p-Xylenes	12.071	106	107812	37.324	ug/l	99
68) o-Xylene	12.394	106	51933	18.638	ug/l	98
69) Styrene	12.412	104	86656	18.549	ug/l	99
70) Isopropylbenzene	12.694	105	129995	18.781	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	44308	19.749	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	36616m	19.114	ug/l	
73) Bromobenzene	12.982	156	32698	18.316	ug/l	96
74) n-propylbenzene	13.035	91	149647	18.489	ug/l	99
75) 2-Chlorotoluene	13.123	91	97313	18.462	ug/l	96
76) 1,3,5-Trimethylbenzene	13.170	105	111985	18.936	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	14866	18.921	ug/l	98
78) 4-Chlorotoluene	13.218	91	97247	18.261	ug/l	100
79) tert-butylbenzene	13.435	119	89730	18.347	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	111355	18.664	ug/l	99
81) sec-Butylbenzene	13.612	105	124656	18.497	ug/l	99
82) p-Isopropyltoluene	13.729	119	102914	18.174	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	61873	18.740	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	59532	18.248	ug/l	99
85) n-Butylbenzene	14.053	91	83383	17.533	ug/l	97
86) Hexachloroethane	14.335	117	22144	19.121	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	60764	18.677	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9180	21.206	ug/l	96
89) 1,2,4-Trichlorobenzene	15.835	180	28432	17.948	ug/l	96
90) Hexachlorobutadiene	15.500	225	14880	21.504	ug/l	95
91) Naphthalene	15.641	128	83763	16.557	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	28432	17.948	ug/l	96

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

