

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084504.D
 Acq On : 25 Oct 2024 10:04
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2024
 Supervised By :Mahesh Dadoda 10/28/2024

Quant Time: Oct 26 05:24:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	35506	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	200200	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180518	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	85643	29.960	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.867%		
60) 4-Bromofluorobenzene	12.847	95	92192	30.944	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.133%		
63) Toluene-d8	10.565	98	251001	30.014	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.033%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	39661	18.295	ug/l	98
3) Chloromethane	2.359	50	43348	17.572	ug/l	100
4) Vinyl Chloride	2.518	62	44364	18.338	ug/l	98
5) Bromomethane	2.959	94	28146	17.561	ug/l	90
6) Chloroethane	3.124	64	30160	19.017	ug/l	96
7) Trichlorofluoromethane	3.501	101	73931	18.762	ug/l	89
8) Diethyl Ether	3.959	74	27242	18.804	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	44085	19.897	ug/l	62
10) 1,1-Dichloroethene	4.342	96	40585	18.358	ug/l	91
11) Methyl Iodide	4.595	142	53535	18.427	ug/l	96
12) Methyl Acetate	5.024	43	58784	21.239	ug/l	99
13) Acrolein	4.183	56	50962	99.121	ug/l	99
14) Acrylonitrile	5.724	53	112734	90.663	ug/l	98
15) Acetone	4.430	58	43514	122.505	ug/l	98
16) Carbon Disulfide	4.712	76	109654	16.656	ug/l	100
17) Allyl chloride	5.024	41	66059	18.433	ug/l	90
18) Methylene Chloride	5.283	84	45898	18.429	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	42534	18.179	ug/l	95
20) Diisopropyl ether	6.665	45	146490	19.011	ug/l #	98
21) 1,1-Dichloroethane	6.565	63	85721	19.388	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	53018	19.473	ug/l	98
23) tert-Butyl Alcohol	5.518	59	43059	90.279	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	141150	19.105	ug/l #	84
25) Chloroform	7.965	83	90521	20.215	ug/l	98
26) Cyclohexane	8.253	56	65248	17.645	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	59606	18.137	ug/l	98
30) 2-Butanone	7.483	43	168367	96.222	ug/l	100
31) 2,2-Dichloropropane	7.488	77	75888	19.650	ug/l #	82
32) 1,1,1-Trichloroethane	8.165	97	80476	19.158	ug/l	99
33) Carbon Tetrachloride	8.359	117	67238	18.476	ug/l	98
34) Benzene	8.606	78	192502	18.712	ug/l #	93
35) Methacrylonitrile	7.777	41	33984	18.205	ug/l	95
36) 1,2-Dichloroethane	8.665	62	65072	18.977	ug/l	99
37) Trichloroethene	9.353	130	44712	18.875	ug/l	88
38) Methylcyclohexane	9.600	83	64890	17.975	ug/l	98
39) 1,2-Dichloropropane	9.618	63	47058	18.758	ug/l	97
40) Dibromomethane	9.706	93	33034	18.841	ug/l	98
41) Bromodichloromethane	9.888	83	69922	18.785	ug/l	98
42) Vinyl Acetate	6.600	43	537529	88.329	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58695	17.008	ug/l	95
44) Isopropyl Acetate	8.688	43	129797m	22.980	ug/l	
45) 1,4-Dioxane	9.694	88	17930	352.143	ug/l	97
46) Methyl methacrylate	9.677	41	46876	17.177	ug/l	96
47) n-amyl Acetate	12.494	43	89176	17.750	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	71062	18.475	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	75370	18.697	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	44728	18.979	ug/l	96
51) Ethyl methacrylate	10.871	69	70772	18.181	ug/l	95
52) 1,3-Dichloropropane	11.159	76	77213	18.738	ug/l	99
53) Dibromochloromethane	11.359	129	52385	18.817	ug/l	99
54) 1,2-Dibromoethane	11.471	107	44557	18.368	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	156467	88.623	ug/l	99
56) Bromoform	12.576	173	34361	18.609	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	318910	94.836	ug/l	100
59) 2-Hexanone	11.194	43	244527	97.858	ug/l	100
61) Tetrachloroethene	11.106	164	41919	20.529	ug/l	98
62) Toluene	10.629	91	202597	19.171	ug/l	99
64) Chlorobenzene	11.888	112	124737	18.968	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	45259	19.810	ug/l	99
66) Ethyl Benzene	11.965	91	221348	19.279	ug/l	96
67) m/p-Xylenes	12.071	106	168410	38.666	ug/l	100
68) o-Xylene	12.394	106	79405	18.914	ug/l	99
69) Styrene	12.412	104	136543	18.946	ug/l	99
70) Isopropylbenzene	12.694	105	204870	19.115	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	64257	19.381	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	51869m	18.267	ug/l	
73) Bromobenzene	12.976	156	49657	19.131	ug/l	99
74) n-propylbenzene	13.035	91	249446	19.531	ug/l	99
75) 2-Chlorotoluene	13.123	91	154107	19.418	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	178201	19.747	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22508	18.550	ug/l	98
78) 4-Chlorotoluene	13.218	91	156277	19.368	ug/l	98
79) tert-butylbenzene	13.435	119	149853	19.464	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	174715	19.081	ug/l	99
81) sec-Butylbenzene	13.612	105	207746	19.600	ug/l	98
82) p-Isopropyltoluene	13.729	119	171934	19.272	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	93180	19.307	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	92963	19.397	ug/l	99
85) n-Butylbenzene	14.053	91	146629	18.976	ug/l	98
86) Hexachloroethane	14.329	117	32190	18.728	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	93148	19.962	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13174	19.430	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	44516	18.348	ug/l	97
90) Hexachlorobutadiene	15.500	225	22167	19.749	ug/l	95
91) Naphthalene	15.641	128	139887	17.015	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	44516	18.348	ug/l	97

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

