

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085060.D
 Acq On : 27 Nov 2024 16:12
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2024
 Supervised By : Mahesh Dadoda 12/02/2024

Quant Time: Nov 28 05:34:39 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	7.806	128	28858	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	147376	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	137837	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	67560	29.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.067%		
60) 4-Bromofluorobenzene	12.847	95	70182	29.571	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.567%		
63) Toluene-d8	10.565	98	190870	29.251	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	34572	20.598	ug/l	97
3) Chloromethane	2.359	50	37382	18.499	ug/l	98
4) Vinyl Chloride	2.512	62	36082	19.228	ug/l	92
5) Bromomethane	2.901	94	19969	20.966	ug/l	97
6) Chloroethane	3.089	64	25052	20.333	ug/l	95
7) Trichlorofluoromethane	3.477	101	61939	20.325	ug/l	91
8) Diethyl Ether	3.953	74	21829	20.081	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.359	101	36608m	21.256	ug/l	
10) 1,1-Dichloroethene	4.324	96	32995	19.619	ug/l	97
11) Methyl Iodide	4.583	142	47475	20.539	ug/l	91
12) Methyl Acetate	5.018	43	45847	17.489	ug/l	99
13) Acrolein	4.171	56	33740	104.370	ug/l	96
14) Acrylonitrile	5.712	53	85571	99.780	ug/l	98
15) Acetone	4.424	58	24007	108.947	ug/l	87
16) Carbon Disulfide	4.695	76	87550	17.692	ug/l	99
17) Allyl chloride	5.018	41	49442	17.253	ug/l	97
18) Methylene Chloride	5.265	84	37151	18.851	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	32788	18.600	ug/l	96
20) Diisopropyl ether	6.665	45	112958	19.690	ug/l	98
21) 1,1-Dichloroethane	6.559	63	66617	19.309	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	39602	18.817	ug/l	97
23) tert-Butyl Alcohol	5.524	59	27988	93.481	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	106744	19.627	ug/l	100
25) Chloroform	7.959	83	70692	20.000	ug/l	95
26) Cyclohexane	8.247	56	50262	19.073	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	44842	20.201	ug/l	99
30) 2-Butanone	7.483	43	112063	109.442	ug/l	99
31) 2,2-Dichloropropane	7.489	77	61781	22.800	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	63915	21.194	ug/l	100
33) Carbon Tetrachloride	8.359	117	55327	21.500	ug/l	97
34) Benzene	8.600	78	150173	20.467	ug/l	98
35) Methacrylonitrile	7.771	41	24160	19.908	ug/l	95
36) 1,2-Dichloroethane	8.665	62	51215	20.990	ug/l	98
37) Trichloroethene	9.347	130	34060	20.577	ug/l	96
38) Methylcyclohexane	9.600	83	46823	19.594	ug/l	98
39) 1,2-Dichloropropane	9.618	63	36712	20.786	ug/l	97
40) Dibromomethane	9.700	93	26018	21.057	ug/l	96
41) Bromodichloromethane	9.882	83	54810	20.692	ug/l	95
42) Vinyl Acetate	6.594	43	387362	101.208	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	42895	19.937	ug/l	96
44) Isopropyl Acetate	8.683	43	77943	17.890	ug/l	96
45) 1,4-Dioxane	9.694	88	11250	386.779	ug/l	87
46) Methyl methacrylate	9.677	41	34291	19.586	ug/l	95
47) n-amyl Acetate	12.494	43	62985	19.357	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	52138	19.934	ug/l	96
49) cis-1,3-Dichloropropene	10.306	75	57738	20.597	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	36564	22.062	ug/l	95
51) Ethyl methacrylate	10.871	69	50362	19.713	ug/l	97
52) 1,3-Dichloropropane	11.159	76	58747	20.421	ug/l	99
53) Dibromochloromethane	11.353	129	41216	21.251	ug/l	96
54) 1,2-Dibromoethane	11.465	107	34597	20.639	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	107307	85.674	ug/l	99
56) Bromoform	12.576	173	27787	21.374	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	225223	103.573	ug/l	98
59) 2-Hexanone	11.194	43	166468	104.543	ug/l	98
61) Tetrachloroethene	11.100	164	29611	20.527	ug/l	97
62) Toluene	10.629	91	156904	19.986	ug/l	96
64) Chlorobenzene	11.888	112	94534	19.947	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	36449	20.926	ug/l	99
66) Ethyl Benzene	11.959	91	159949	19.387	ug/l	97
67) m/p-Xylenes	12.071	106	125488	39.727	ug/l	99
68) o-Xylene	12.394	106	61274	20.110	ug/l	98
69) Styrene	12.406	104	103069	20.174	ug/l	99
70) Isopropylbenzene	12.694	105	151716	20.043	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	51683	21.066	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	45844m	21.883	ug/l	
73) Bromobenzene	12.976	156	38793	19.871	ug/l	92
74) n-propylbenzene	13.035	91	178914	20.214	ug/l	100
75) 2-Chlorotoluene	13.123	91	116370	20.189	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	132713	20.521	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18016	20.968	ug/l	88
78) 4-Chlorotoluene	13.218	91	116306	19.971	ug/l	97
79) tert-butylbenzene	13.435	119	107907	20.176	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	135150	20.714	ug/l	97
81) sec-Butylbenzene	13.612	105	151702	20.585	ug/l	99
82) p-Isopropyltoluene	13.729	119	124888	20.168	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	72070	19.961	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	69620	19.514	ug/l	99
85) n-Butylbenzene	14.053	91	102007	19.614	ug/l	98
86) Hexachloroethane	14.329	117	26015	20.542	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	71001	19.956	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9874	20.858	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	32898	18.991	ug/l	96
90) Hexachlorobutadiene	15.500	225	16898	22.331	ug/l	94
91) Naphthalene	15.641	128	94140	17.016	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	32898	18.991	ug/l	96

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

