

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085119.D
 Acq On : 06 Dec 2024 10:49
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Dec 06 22:29:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:19:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	32631	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	169083	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	158595	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	73850	28.523	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.067%		
60) 4-Bromofluorobenzene	12.847	95	79229	30.193	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.633%		
63) Toluene-d8	10.565	98	220709	29.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	126923	48.618	ug/l	95
3) Chloromethane	2.359	50	109481	47.379	ug/l	97
4) Vinyl Chloride	2.512	62	110184	46.620	ug/l	95
5) Bromomethane	2.959	94	68578	45.702	ug/l	97
6) Chloroethane	3.124	64	68457	47.145	ug/l	96
7) Trichlorofluoromethane	3.500	101	180635	46.691	ug/l	99
8) Diethyl Ether	3.959	74	59301	48.393	ug/l	100
9) 1,1,2-Trichlorotrifluoro...	4.371	101	103346	47.768	ug/l	97
10) 1,1-Dichloroethene	4.341	96	94788	47.699	ug/l	96
11) Methyl Iodide	4.589	142	133247	48.346	ug/l	97
12) Methyl Acetate	5.018	43	110575	47.166	ug/l	99
13) Acrolein	4.171	56	81406	238.946	ug/l	93
14) Acrylonitrile	5.712	53	233375	239.739	ug/l	97
15) Acetone	4.418	58	63386	240.283	ug/l	89
16) Carbon Disulfide	4.712	76	275285	46.345	ug/l	100
17) Allyl chloride	5.024	41	137437	48.333	ug/l	92
18) Methylene Chloride	5.277	84	104822	46.488	ug/l	98
19) trans-1,2-Dichloroethene	5.788	96	96901	46.913	ug/l	90
20) Diisopropyl ether	6.671	45	301677	48.342	ug/l	99
21) 1,1-Dichloroethane	6.565	63	177808	46.165	ug/l	99
22) cis-1,2-Dichloroethene	7.482	96	113782	47.926	ug/l	98
23) tert-Butyl Alcohol	5.512	59	80412	230.265	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	300411	48.425	ug/l #	77
25) Chloroform	7.965	83	190773	47.279	ug/l	98
26) Cyclohexane	8.253	56	158534	49.989	ug/l	98
29) 1,1-Dichloropropene	8.371	75	131946	48.360	ug/l	99
30) 2-Butanone	7.477	43	307572	245.653	ug/l	99
31) 2,2-Dichloropropane	7.488	77	169610	48.478	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	174371	47.217	ug/l	98
33) Carbon Tetrachloride	8.359	117	159586	47.889	ug/l	97
34) Benzene	8.606	78	410169	47.855	ug/l	98
35) Methacrylonitrile	7.777	41	72876	51.722	ug/l	91
36) 1,2-Dichloroethane	8.671	62	138391	47.430	ug/l	100
37) Trichloroethene	9.353	130	96801	47.426	ug/l	96
38) Methylcyclohexane	9.600	83	148222	49.963	ug/l	95
39) 1,2-Dichloropropane	9.618	63	98790	47.586	ug/l	96
40) Dibromomethane	9.706	93	71433	47.969	ug/l	99
41) Bromodichloromethane	9.882	83	152481	47.898	ug/l	96
42) Vinyl Acetate	6.600	43	1122209	256.138	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	124173	49.844	ug/l	# 92
44) Isopropyl Acetate	8.682	43	211189	48.782	ug/l	99
45) 1,4-Dioxane	9.694	88	35720	989.420	ug/l	95
46) Methyl methacrylate	9.676	41	97397	49.158	ug/l	94
47) n-amyl Acetate	12.488	43	184994	50.788	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	152504	48.801	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	164287	48.292	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	94692	47.189	ug/l	98
51) Ethyl methacrylate	10.870	69	152776	50.057	ug/l	97
52) 1,3-Dichloropropane	11.159	76	164130	48.874	ug/l	99
53) Dibromochloromethane	11.359	129	116277	47.550	ug/l	97
54) 1,2-Dibromoethane	11.465	107	98049	48.496	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	363042	256.062	ug/l	100
56) Bromoform	12.576	173	79589	48.542	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	638976	246.869	ug/l	98
59) 2-Hexanone	11.194	43	490910	250.312	ug/l	98
61) Tetrachloroethene	11.100	164	90418	47.078	ug/l	96
62) Toluene	10.629	91	444180	48.023	ug/l	99
64) Chlorobenzene	11.888	112	274152	48.008	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	101559	47.641	ug/l	95
66) Ethyl Benzene	11.959	91	487612	49.682	ug/l	96
67) m/p-Xylenes	12.070	106	373298	98.889	ug/l	95
68) o-Xylene	12.394	106	179899	50.744	ug/l	97
69) Styrene	12.406	104	307715	51.151	ug/l	98
70) Isopropylbenzene	12.694	105	461786	50.502	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	132922	47.759	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	125007m	45.469	ug/l	
73) Bromobenzene	12.976	156	111567	48.711	ug/l	99
74) n-propylbenzene	13.035	91	550361	50.065	ug/l	99
75) 2-Chlorotoluene	13.123	91	334590	49.227	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	393277	50.202	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	48505	48.553	ug/l	97
78) 4-Chlorotoluene	13.217	91	336818	48.823	ug/l	98
79) tert-butylbenzene	13.435	119	324073	50.365	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	396249	51.207	ug/l	100
81) sec-Butylbenzene	13.611	105	456540	49.942	ug/l	99
82) p-Isopropyltoluene	13.729	119	386040	50.937	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	204168	48.588	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	200637	48.993	ug/l	99
85) n-Butylbenzene	14.053	91	325144	51.146	ug/l	99
86) Hexachloroethane	14.329	117	71737	47.548	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	193910	48.889	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	26674	47.975	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	96150	49.499	ug/l	98
90) Hexachlorobutadiene	15.500	225	45780	45.354	ug/l	97
91) Naphthalene	15.641	128	310785	51.498	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	96150	49.499	ug/l	98

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

