

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080264.D
 Acq On : 24 Nov 2023 16:17
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 27 04:08:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

11/27/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.818	128	39422	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	219685	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	201658	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	110501	33.392	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.300%#
60) 4-Bromofluorobenzene	12.853	95	106500	33.025	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	110.100%
63) Toluene-d8	10.570	98	290564	30.410	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	63708	24.785	ug/l	96
3) Chloromethane	2.359	50	44978	13.890	ug/l	98
4) Vinyl Chloride	2.512	62	51754	19.126	ug/l	99
5) Bromomethane	2.959	94	32555	21.974	ug/l	98
6) Chloroethane	3.124	64	32675	20.790	ug/l	97
7) Trichlorofluoromethane	3.500	101	109782	27.033	ug/l	98
8) Diethyl Ether	3.959	74	30279	20.770	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	48047	20.942	ug/l #	40
10) 1,1-Dichloroethene	4.341	96	46457	22.889	ug/l	92
11) Methyl Iodide	4.583	142	56393m	21.006	ug/l	
12) Methyl Acetate	5.030	43	82126	15.607	ug/l #	89
13) Acrolein	4.183	56	41603	93.576	ug/l	97
14) Acrylonitrile	5.718	53	106307	85.055	ug/l	99
15) Acetone	4.436	58	29955m	70.979	ug/l	
16) Carbon Disulfide	4.712	76	125405	18.094	ug/l	98
17) Allyl chloride	5.024	41	54648	15.408	ug/l	91
18) Methylene Chloride	5.283	84	51916	19.074	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	49920	19.842	ug/l	96
20) Diisopropyl ether	6.677	45	127080	15.333	ug/l #	94
21) 1,1-Dichloroethane	6.571	63	92457	18.689	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	56717	19.427	ug/l	92
23) tert-Butyl Alcohol	5.524	59	38535	114.225	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	164288	21.983	ug/l #	80
25) Chloroform	7.971	83	106939	20.941	ug/l	96
26) Cyclohexane	8.259	56	65893	16.931	ug/l #	84
29) 1,1-Dichloropropene	8.371	75	74838	19.849	ug/l	89
30) 2-Butanone	7.482	43	127411	70.759	ug/l #	88
31) 2,2-Dichloropropane	7.494	77	88024	21.600	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	106430	24.727	ug/l	95
33) Carbon Tetrachloride	8.359	117	102351	27.054	ug/l	97
34) Benzene	8.612	78	210911	18.831	ug/l	96
35) Methacrylonitrile	7.788	41	28828	15.270	ug/l	90
36) 1,2-Dichloroethane	8.671	62	86066	21.233	ug/l	99
37) Trichloroethene	9.353	130	56200	20.865	ug/l	94
38) Methylcyclohexane	9.606	83	68086	19.232	ug/l	95
39) 1,2-Dichloropropane	9.623	63	49713	16.769	ug/l	95
40) Dibromomethane	9.712	93	39629	20.681	ug/l	92
41) Bromodichloromethane	9.888	83	84447	21.278	ug/l	100
42) Vinyl Acetate	6.606	43	409359m	91.526	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	54137	16.005	ug/l	99
44) Isopropyl Acetate	8.694	43	90264	16.377	ug/l #	88
45) 1,4-Dioxane	9.700	88	17380	409.181	ug/l	94
46) Methyl methacrylate	9.682	41	41167	15.538	ug/l	85
47) n-amyl Acetate	12.494	43	69913	15.792	ug/l	93
48) t-1,3-Dichloropropene	10.841	75	84173	20.767	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	88876	19.835	ug/l	89
50) 1,1,2-Trichloroethane	11.018	97	50706	19.398	ug/l	94
51) Ethyl methacrylate	10.876	69	72756	19.365	ug/l	85
52) 1,3-Dichloropropane	11.165	76	91198	19.515	ug/l	100
53) Dibromochloromethane	11.365	129	65766	23.518	ug/l	97
54) 1,2-Dibromoethane	11.476	107	53969	20.561	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	128640	74.444	ug/l #	94
56) Bromoform	12.582	173	44929	24.519	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	268354	79.654	ug/l #	87
59) 2-Hexanone	11.200	43	196746	76.662	ug/l #	89
61) Tetrachloroethene	11.106	164	57131	24.165	ug/l	92
62) Toluene	10.635	91	238340	20.435	ug/l	98
64) Chlorobenzene	11.894	112	141692	20.357	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.959	131	59090	23.144	ug/l	94
66) Ethyl Benzene	11.964	91	251990	20.560	ug/l	100
67) m/p-Xylenes	12.070	106	191936	42.064	ug/l	88
68) o-Xylene	12.400	106	92063	21.050	ug/l	94
69) Styrene	12.412	104	157267	21.722	ug/l	97
70) Isopropylbenzene	12.700	105	242048	22.187	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	69529	18.712	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	69587m	20.156	ug/l	
73) Bromobenzene	12.982	156	59397	22.146	ug/l	95
74) n-propylbenzene	13.041	91	266625	20.430	ug/l	97
75) 2-Chlorotoluene	13.129	91	178557	21.525	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	214693	23.793	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	22246	19.678	ug/l	92
78) 4-Chlorotoluene	13.223	91	178265	21.637	ug/l	97
79) tert-butylbenzene	13.441	119	166677	23.587	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	206749	23.367	ug/l	96
81) sec-Butylbenzene	13.617	105	226106	22.667	ug/l	99
82) p-Isopropyltoluene	13.735	119	190342	23.496	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	107748	22.047	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	102262	21.319	ug/l	97
85) n-Butylbenzene	14.058	91	144571	21.337	ug/l	96
86) Hexachloroethane	14.341	117	35571	22.580	ug/l	77
87) 1,2-Dichlorobenzene	14.106	146	107550	23.035	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	16218	23.867	ug/l	96
89) 1,2,4-Trichlorobenzene	15.847	180	53082	24.541	ug/l	99
90) Hexachlorobutadiene	15.505	225	30975	29.057	ug/l	98
91) Naphthalene	15.647	128	148575	21.404	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	53082	24.541	ug/l	99

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

