

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078727.D
 Acq On : 01 Aug 2023 20:14
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 04:52:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.365	128	139897m	30.000	ug/l	-0.46
28) 1,4-Difluorobenzene	8.865	114	602488	30.000	ug/l	-0.25
57) Chlorobenzene-d5	11.817	117	720036	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.265	65	264367	25.210	ug/l	-0.32
Spiked Amount	30.000	Range	91 - 110	Recovery	=	84.033%#
60) 4-Bromofluorobenzene	12.829	95	291277	26.993	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.967%
63) Toluene-d8	10.453	98	832175	23.396	ug/l	-0.12
Spiked Amount	30.000	Range	91 - 112	Recovery	=	78.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.377	85	70341m	7.971	ug/l	
7) Trichlorofluoromethane	3.377	101	160217	10.581	ug/l	93
12) Methyl Acetate	4.883	43	99734	7.889	ug/l	96
22) cis-1,2-Dichloroethene	6.965	96	201188	19.880	ug/l	99
26) Cyclohexane	7.977	56	262699	22.478	ug/l #	3
29) 1,1-Dichloropropene	8.029	75	193620	21.841	ug/l	98
32) 1,1,1-Trichloroethane	7.788	97	276379	24.641	ug/l	97
33) Carbon Tetrachloride	8.006	117	222559	22.341	ug/l	94
34) Benzene	8.294	78	592871	22.263	ug/l	98
35) Methacrylonitrile	7.341	41	81144	21.085	ug/l	85
36) 1,2-Dichloroethane	8.376	62	208177	22.259	ug/l	99
38) Methylcyclohexane	9.406	83	218301	23.966	ug/l	97
40) Dibromomethane	9.529	93	118239	23.930	ug/l	96
41) Bromodichloromethane	9.729	83	208115	21.068	ug/l	95
45) 1,4-Dioxane	9.623	88	701	5.995	ug/l #	1
46) Methyl methacrylate	9.518	41	137959	23.700	ug/l	96
47) n-amyl Acetate	12.476	43	237465	24.256	ug/l	98
49) cis-1,3-Dichloropropene	10.188	75	310403	27.720	ug/l	97
50) 1,1,2-Trichloroethane	10.935	97	145127	20.749	ug/l	98
51) Ethyl methacrylate	10.794	69	238479	24.904	ug/l	89
52) 1,3-Dichloropropane	11.088	76	323412	25.727	ug/l	100
53) Dibromochloromethane	11.294	129	157542	19.939	ug/l	97
54) 1,2-Dibromoethane	11.400	107	144542	20.581	ug/l	99
55) 2-Chloroethyl vinyl ether	10.029	63	337640	110.654	ug/l	100
56) Bromoform	12.547	173	127943	24.747	ug/l	96
58) 4-Methyl-2-Pentanone	10.335	43	1001940	92.967	ug/l	100
59) 2-Hexanone	11.129	43	713516	87.438	ug/l	100
61) Tetrachloroethene	11.018	164	123926	13.089	ug/l	97
62) Toluene	10.523	91	635793	14.680	ug/l	100
64) Chlorobenzene	11.841	112	504314	19.944	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.917	131	198075	19.862	ug/l	99
66) Ethyl Benzene	11.923	91	881836	20.202	ug/l	98
67) m/p-Xylenes	12.029	106	660044	39.586	ug/l	100
68) o-Xylene	12.364	106	290240	17.107	ug/l	96
69) Styrene	12.382	104	444100	16.269	ug/l	99
70) Isopropylbenzene	12.670	105	756496	18.024	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.923	83	244313	17.920	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	277165	24.234	ug/l	58
73) Bromobenzene	12.959	156	169681	16.494	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) n-propylbenzene	13.017	91	725989	15.606	ug/l	100
75) 2-Chlorotoluene	13.106	91	449289	13.985	ug/l	100
76) 1,3,5-Trimethylbenzene	13.159	105	510668	13.628	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	64370	16.104	ug/l	82
78) 4-Chlorotoluene	13.206	91	391422	12.619	ug/l	99
79) tert-butylbenzene	13.429	119	399298	12.380	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	435617	12.172	ug/l	100
81) sec-Butylbenzene	13.606	105	457902	11.076	ug/l	99
82) p-Isopropyltoluene	13.723	119	357315	10.528	ug/l	99
83) 1,3-Dichlorobenzene	13.723	146	195980	10.743	ug/l	97
84) 1,4-Dichlorobenzene	13.806	146	182574	10.690	ug/l	99
85) n-Butylbenzene	14.053	91	243792	10.359	ug/l	99
86) Hexachloroethane	14.329	117	77095	12.467	ug/l	96
87) 1,2-Dichlorobenzene	14.100	146	195047	11.424	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.717	75	24970	10.785	ug/l	94
89) 1,2,4-Trichlorobenzene	15.394	180	46802	9.608	ug/l	98
90) Hexachlorobutadiene	15.500	225	42967	11.578	ug/l	97
91) Naphthalene	15.641	128	124909	8.464	ug/l	97
92) 1,2,3-Trichlorobenzene	15.841	180	56042	10.109	ug/l	98

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

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