

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079298.D
 Acq On : 19 Sep 2023 12:50
 Operator : JC\MD
 Sample : VN0919WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Sep 19 15:40:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

09/19/2023
 Supervised By :Mahesh
 Dadoda

09/20/2023

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)	D
Internal Standards							05
1) Bromochloromethane	7.818	128	49207	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.106	114	239295	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.870	117	219575	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.582	65	113729	30.763	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.533%		
60) 4-Bromofluorobenzene	12.853	95	99342	30.705	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.367%		
63) Toluene-d8	10.570	98	312755	30.478	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.600%		
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	2.130	85	50760	18.496	ug/l	95	
3) Chloromethane	2.365	50	60035	21.816	ug/l	98	
4) Vinyl Chloride	2.518	62	64552	23.710	ug/l	98	
5) Bromomethane	2.959	94	37040	22.166	ug/l	97	
6) Chloroethane	3.118	64	44691	26.803	ug/l #	85	
7) Trichlorofluoromethane	3.500	101	89730	27.683	ug/l	97	
8) Diethyl Ether	3.959	74	31374	26.399	ug/l	92	
9) 1,1,2-Trichlorotrifluo...	4.371	101	48983	27.422	ug/l	95	
10) 1,1-Dichloroethene	4.341	96	45333	26.193	ug/l	93	
11) Methyl Iodide	4.589	142	50631	23.224	ug/l	92	
12) Methyl Acetate	5.024	43	102125	25.319	ug/l	95	
13) Acrolein	4.183	56	31673	86.220	ug/l	94	
14) Acrylonitrile	5.724	53	127559	107.796	ug/l	95	
15) Acetone	4.430	58	43934	142.324	ug/l	92	
16) Carbon Disulfide	4.718	76	125911	24.620	ug/l	99	
17) Allyl chloride	5.030	41	66749	24.001	ug/l	95	
18) Methylene Chloride	5.277	84	58109	25.032	ug/l	88	
19) trans-1,2-Dichloroethene	5.794	96	51046	23.573	ug/l	99	
20) Diisopropyl ether	6.671	45	174913	21.067	ug/l #	91	
21) 1,1-Dichloroethane	6.571	63	105941	21.781	ug/l	99	
22) cis-1,2-Dichloroethene	7.494	96	61044	18.026	ug/l	91	
23) tert-Butyl Alcohol	5.518	59	42412	93.168	ug/l #	100	
24) Methyl tert-Butyl Ether	5.794	73	158083	23.143	ug/l	92	
25) Chloroform	7.971	83	110131	18.777	ug/l	98	
26) Cyclohexane	8.259	56	77386	17.545	ug/l #	100	
29) 1,1-Dichloropropene	8.377	75	78339	20.419	ug/l	98	
30) 2-Butanone	7.488	43	184788	95.757	ug/l	97	
31) 2,2-Dichloropropane	7.494	77	87915	22.973	ug/l	99	
32) 1,1,1-Trichloroethane	8.171	97	94372	20.878	ug/l	96	
33) Carbon Tetrachloride	8.365	117	80854	20.824	ug/l	98	
34) Benzene	8.612	78	231821	19.018	ug/l	98	
35) Methacrylonitrile	7.782	41	37520	18.057	ug/l	93	
36) 1,2-Dichloroethane	8.677	62	87407	21.742	ug/l	96	
37) Trichloroethene	9.353	130	54490	18.912	ug/l	97	
38) Methylcyclohexane	9.606	83	74475	19.417	ug/l	97	
39) 1,2-Dichloropropane	9.623	63	60199	19.145	ug/l	96	
40) Dibromomethane	9.712	93	40617	19.588	ug/l	97	
41) Bromodichloromethane	9.894	83	87841	21.251	ug/l #	93	
42) Vinyl Acetate	6.612	43	504071	109.989	ug/l	97	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079298.D
 Acq On : 19 Sep 2023 12:50
 Operator : JC\MD
 Sample : VN0919WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

09/19/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Sep 19 15:40:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	78382	21.387	ug/l	99
44) Isopropyl Acetate	8.694	43	119512	18.127	ug/l	95
45) 1,4-Dioxane	9.700	88	21321	324.890	ug/l #	89
46) Methyl methacrylate	9.682	41	58373	19.818	ug/l	90
47) n-amyl Acetate	12.500	43	89192	19.236	ug/l	94
48) t-1,3-Dichloropropene	10.841	75	86985	19.451	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	93754	20.099	ug/l #	91
50) 1,1,2-Trichloroethane	11.018	97	56824	19.534	ug/l	97
51) Ethyl methacrylate	10.876	69	76922	17.122	ug/l	88
52) 1,3-Dichloropropane	11.165	76	98669	19.868	ug/l	99
53) Dibromochloromethane	11.365	129	59273	19.427	ug/l	98
54) 1,2-Dibromoethane	11.470	107	57162	19.351	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	138365	86.677	ug/l	98
56) Bromoform	12.582	173	39064	18.375	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	374174	92.863	ug/l	95
59) 2-Hexanone	11.200	43	270453	95.574	ug/l	94
61) Tetrachloroethene	11.106	164	47822	20.016	ug/l	94
62) Toluene	10.635	91	253629	19.838	ug/l	99
64) Chlorobenzene	11.894	112	147419	19.766	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	56538	19.800	ug/l	98
66) Ethyl Benzene	11.965	91	261060	20.280	ug/l	98
67) m/p-Xylenes	12.076	106	199106	41.107	ug/l	99
68) o-Xylene	12.400	106	94021	20.128	ug/l	97
69) Styrene	12.412	104	151933	20.392	ug/l	97
70) Isopropylbenzene	12.700	105	245806	20.702	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	83333	18.762	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	65388m	17.496	ug/l	
73) Bromobenzene	12.982	156	56477	19.042	ug/l	99
74) n-propylbenzene	13.041	91	286313	21.164	ug/l	99
75) 2-Chlorotoluene	13.129	91	176667	20.366	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	203010	20.678	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	22274	16.928	ug/l	82
78) 4-Chlorotoluene	13.223	91	170229	20.783	ug/l	96
79) tert-butylbenzene	13.441	119	162199	20.128	ug/l	95
80) 1,2,4-Trimethylbenzene	13.488	105	203783	21.735	ug/l	97
81) sec-Butylbenzene	13.617	105	229446	20.810	ug/l	99
82) p-Isopropyltoluene	13.735	119	185703	21.323	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	94421	20.046	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	89492	20.258	ug/l	98
85) n-Butylbenzene	14.059	91	143869	21.689	ug/l	98
86) Hexachloroethane	14.335	117	37139	21.538	ug/l	92
87) 1,2-Dichlorobenzene	14.111	146	93165	20.043	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13117	17.472	ug/l	87
89) 1,2,4-Trichlorobenzene	15.847	180	33174	16.678	ug/l	99
90) Hexachlorobutadiene	15.505	225	24912	20.619	ug/l	96
91) Naphthalene	15.647	128	70614	13.585	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	33174	16.678	ug/l	99

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

