

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082024.D
 Acq On : 08 May 2024 09:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 09 01:00:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	32790	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193786	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	176192	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84168	30.659	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.200%			
60) 4-Bromofluorobenzene	12.847	95	84214	28.720	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.733%			
63) Toluene-d8	10.571	98	257255	30.745	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.467%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33037	17.750	ug/l	90
3) Chloromethane	2.359	50	43130	19.981	ug/l	96
4) Vinyl Chloride	2.518	62	41667	20.434	ug/l	100
5) Bromomethane	2.959	94	19862	18.666	ug/l	93
6) Chloroethane	3.124	64	26293	22.770	ug/l	99
7) Trichlorofluoromethane	3.495	101	53907	18.066	ug/l	93
8) Diethyl Ether	3.959	74	28250	19.558	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.371	101	38156	18.653	ug/l	59
10) 1,1-Dichloroethene	4.348	96	35919	17.949	ug/l	95
11) Methyl Iodide	4.595	142	31059m	16.982	ug/l	
12) Methyl Acetate	5.030	43	55036	21.963	ug/l #	84
13) Acrolein	4.171	56	41466m	77.860	ug/l	
14) Acrylonitrile	5.718	53	117842	103.039	ug/l	99
15) Acetone	4.418	58	28880	112.691	ug/l	87
16) Carbon Disulfide	4.712	76	96451	17.396	ug/l #	92
17) Allyl chloride	5.024	41	71634	20.388	ug/l	85
18) Methylene Chloride	5.277	84	45388	19.933	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	38788m	18.620	ug/l	
20) Diisopropyl ether	6.665	45	161812	20.815	ug/l #	88
21) 1,1-Dichloroethane	6.565	63	86815	21.091	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	49270	19.409	ug/l	89
23) tert-Butyl Alcohol	5.512	59	44658m	94.798	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	139944	19.396	ug/l #	86
25) Chloroform	7.971	83	80806	20.405	ug/l	99
26) Cyclohexane	8.253	56	67602	18.992	ug/l #	85
29) 1,1-Dichloropropene	8.371	75	54862	19.016	ug/l	97
30) 2-Butanone	7.483	43	153086	102.940	ug/l	94
31) 2,2-Dichloropropane	7.494	77	70556	23.865	ug/l #	84
32) 1,1,1-Trichloroethane	8.165	97	64589	19.466	ug/l #	92
33) Carbon Tetrachloride	8.371	117	49501m	18.383	ug/l	
34) Benzene	8.606	78	184134	20.006	ug/l	99
35) Methacrylonitrile	7.777	41	34858	18.527	ug/l	93
36) 1,2-Dichloroethane	8.671	62	62976m	20.383	ug/l	
37) Trichloroethene	9.353	130	38218	16.953	ug/l #	77
38) Methylcyclohexane	9.600	83	66852	19.182	ug/l	97
39) 1,2-Dichloropropane	9.624	63	51245	21.699	ug/l	96
40) Dibromomethane	9.712	93	29839	19.668	ug/l	84
41) Bromodichloromethane	9.888	83	66562	20.527	ug/l	94
42) Vinyl Acetate	6.600	43	639614	101.049	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082024.D
 Acq On : 08 May 2024 09:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

Quant Time: May 09 01:00:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	57795	17.825	ug/l #	93
44) Isopropyl Acetate	8.688	43	115697	20.099	ug/l	89
45) 1,4-Dioxane	9.688	88	18402	398.618	ug/l #	95
46) Methyl methacrylate	9.682	41	51139	19.445	ug/l	82
47) n-amyl Acetate	12.494	43	103792	19.991	ug/l	90
48) t-1,3-Dichloropropene	10.841	75	68382	19.446	ug/l #	89
49) cis-1,3-Dichloropropene	10.312	75	76193	20.493	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	41086	19.961	ug/l #	87
51) Ethyl methacrylate	10.876	69	76289	19.638	ug/l	83
52) 1,3-Dichloropropane	11.165	76	78240	20.690	ug/l	98
53) Dibromochloromethane	11.359	129	42752	19.090	ug/l	99
54) 1,2-Dibromoethane	11.471	107	40987	19.967	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	206064	106.078	ug/l	95
56) Bromoform	12.582	173	23833	17.486	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	344838m	100.797	ug/l	
59) 2-Hexanone	11.194	43	254086	100.169	ug/l #	88
61) Tetrachloroethene	11.106	164	33285	17.025	ug/l	93
62) Toluene	10.629	91	185432	18.705	ug/l	97
64) Chlorobenzene	11.894	112	116945	19.287	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	38139	19.217	ug/l	95
66) Ethyl Benzene	11.965	91	205294	18.892	ug/l	100
67) m/p-Xylenes	12.071	106	157032	38.976	ug/l	97
68) o-Xylene	12.400	106	74159	18.604	ug/l	99
69) Styrene	12.412	104	128194	19.158	ug/l	99
70) Isopropylbenzene	12.694	105	189794	18.747	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	58777	20.175	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	52565m	19.299	ug/l	
73) Bromobenzene	12.976	156	39745	18.340	ug/l	76
74) n-propylbenzene	13.035	91	233634	19.561	ug/l	98
75) 2-Chlorotoluene	13.129	91	144067	19.498	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	154015	18.795	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	23752	19.593	ug/l	86
78) 4-Chlorotoluene	13.223	91	135970	18.784	ug/l	98
79) tert-butylbenzene	13.441	119	129781	18.394	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	152867	18.572	ug/l	97
81) sec-Butylbenzene	13.617	105	190103	19.222	ug/l	98
82) p-Isopropyltoluene	13.729	119	147665	18.882	ug/l	96
83) 1,3-Dichlorobenzene	13.735	146	73499	18.836	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	72926	18.594	ug/l	97
85) n-Butylbenzene	14.059	91	141614	19.824	ug/l	97
86) Hexachloroethane	14.335	117	28949	18.565	ug/l	74
87) 1,2-Dichlorobenzene	14.106	146	74351	19.131	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11584	17.719	ug/l	88
89) 1,2,4-Trichlorobenzene	15.841	180	36556	17.082	ug/l	100
90) Hexachlorobutadiene	15.500	225	11938	15.062	ug/l	98
91) Naphthalene	15.641	128	141494	17.393	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	36556	17.082	ug/l	100

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

