

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082000.D
 Acq On : 06 May 2024 09:35
 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 07 00:24:20 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 05/07/2024
 Supervised By : Semsettin Yesilyurt 05/07/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	36796	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	224382	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	194697	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	96395	31.290	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	104.300%	
60) 4-Bromofluorobenzene	12.853	95	93519	28.862	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	96.200%	
63) Toluene-d8	10.565	98	283496	30.661	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38660	18.509	ug/l	93
3) Chloromethane	2.359	50	45303	18.702	ug/l	92
4) Vinyl Chloride	2.512	62	43814	19.147	ug/l	92
5) Bromomethane	2.965	94	21910	18.349	ug/l	91
6) Chloroethane	3.124	64	27109	20.921	ug/l	93
7) Trichlorofluoromethane	3.500	101	64521	19.269	ug/l	86
8) Diethyl Ether	3.965	74	30523	18.831	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	41847m	18.230	ug/l	
10) 1,1-Dichloroethene	4.341	96	43163	19.220	ug/l	88
11) Methyl Iodide	4.594	142	36101	17.590	ug/l	79
12) Methyl Acetate	5.024	43	60246	21.424	ug/l #	80
13) Acrolein	4.183	56	50174m	83.954	ug/l	
14) Acrylonitrile	5.712	53	132781	103.461	ug/l	96
15) Acetone	4.430	58	31984	111.215	ug/l	85
16) Carbon Disulfide	4.712	76	113687	18.272	ug/l	97
17) Allyl chloride	5.024	41	78549	19.922	ug/l	80
18) Methylene Chloride	5.277	84	50685	19.836	ug/l	93
19) trans-1,2-Dichloroethene	5.783	96	44754	19.145	ug/l	84
20) Diisopropyl ether	6.665	45	169029	19.376	ug/l	94
21) 1,1-Dichloroethane	6.565	63	92850	20.101	ug/l	94
22) cis-1,2-Dichloroethene	7.488	96	57386	20.145	ug/l	98
23) tert-Butyl Alcohol	5.524	59	51235	96.919	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	154878m	19.129	ug/l	
25) Chloroform	7.965	83	88508	19.917	ug/l	93
26) Cyclohexane	8.259	56	78128	19.559	ug/l #	91
29) 1,1-Dichloropropene	8.371	75	60168	18.012	ug/l	96
30) 2-Butanone	7.482	43	170563	99.053	ug/l	94
31) 2,2-Dichloropropane	7.488	77	77727	22.705	ug/l #	78
32) 1,1,1-Trichloroethane	8.171	97	74157	19.302	ug/l	95
33) Carbon Tetrachloride	8.359	117	57358	18.396	ug/l #	91
34) Benzene	8.606	78	206743	19.400	ug/l	96
35) Methacrylonitrile	7.777	41	43157	19.811	ug/l	84
36) 1,2-Dichloroethane	8.671	62	66109	18.479	ug/l	98
37) Trichloroethene	9.353	130	46848	17.948	ug/l	90
38) Methylcyclohexane	9.600	83	75221	18.640	ug/l	95
39) 1,2-Dichloropropane	9.623	63	53830	19.686	ug/l	99
40) Dibromomethane	9.712	93	34303	19.527	ug/l	88
41) Bromodichloromethane	9.888	83	70865	18.874	ug/l	95
42) Vinyl Acetate	6.600	43	691817	94.393	ug/l #	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082000.D
 Acq On : 06 May 2024 09:35
 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 05/07/2024
 Supervised By : Semsettin Yesilyurt 05/07/2024

Quant Time: May 07 00:24:20 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	7.553	43	74147	19.750	ug/l	95
44) Isopropyl Acetate	8.688	43	127836	19.179	ug/l	92
45) 1,4-Dioxane	9.694	88	20616	385.683	ug/l	99
46) Methyl methacrylate	9.676	41	59571	19.563	ug/l	77
47) n-amyl Acetate	12.494	43	109363	18.192	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	75790	18.614	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	83260	19.341	ug/l #	87
50) 1,1,2-Trichloroethane	11.018	97	48145	20.201	ug/l	96
51) Ethyl methacrylate	10.870	69	80580	17.914	ug/l	77
52) 1,3-Dichloropropane	11.165	76	83528	19.076	ug/l	99
53) Dibromochloromethane	11.365	129	46551	17.952	ug/l	100
54) 1,2-Dibromoethane	11.465	107	44695	18.804	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	235178	104.557	ug/l	96
56) Bromoform	12.582	173	28000	17.742	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	373773	98.871	ug/l #	86
59) 2-Hexanone	11.194	43	280971m	100.240	ug/l	
61) Tetrachloroethene	11.106	164	37475	17.347	ug/l	94
62) Toluene	10.635	91	210627	19.227	ug/l	98
64) Chlorobenzene	11.894	112	126977	18.951	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	41136	18.758	ug/l	94
66) Ethyl Benzene	11.965	91	232699	19.379	ug/l	100
67) m/p-Xylenes	12.070	106	171303	38.477	ug/l	99
68) o-Xylene	12.400	106	86253	19.582	ug/l	99
69) Styrene	12.412	104	140846	19.048	ug/l	98
70) Isopropylbenzene	12.694	105	212021	18.952	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	65125	20.229	ug/l #	94
72) 1,2,3-Trichloropropane	12.994	75	58736m	19.515	ug/l	
73) Bromobenzene	12.982	156	44040	18.390	ug/l	80
74) n-propylbenzene	13.035	91	260945	19.771	ug/l	97
75) 2-Chlorotoluene	13.123	91	149588	18.321	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	171750	18.967	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	27768	20.728	ug/l	89
78) 4-Chlorotoluene	13.223	91	152364	19.048	ug/l	98
79) tert-butylbenzene	13.435	119	146626	18.807	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	171167	18.819	ug/l	99
81) sec-Butylbenzene	13.617	105	209792	19.196	ug/l	99
82) p-Isopropyltoluene	13.729	119	172161	19.922	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	84444	19.584	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	84343	19.461	ug/l	97
85) n-Butylbenzene	14.059	91	159512	20.207	ug/l	97
86) Hexachloroethane	14.335	117	33770	19.598	ug/l	71
87) 1,2-Dichlorobenzene	14.106	146	80689	18.788	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13730	19.006	ug/l	87
89) 1,2,4-Trichlorobenzene	15.841	180	43129	18.238	ug/l	95
90) Hexachlorobutadiene	15.505	225	14155	16.162	ug/l	95
91) Naphthalene	15.641	128	163873	18.230	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	43129	18.238	ug/l	95

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082000.D
Acq On : 06 May 2024 09:35
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 05/07/2024
Supervised By : Semsettin Yesilyurt 05/07/2024

Quant Time: May 07 00:24:20 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

