

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080983.D
 Acq On : 09 Feb 2024 11:35
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 01:40:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:30:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	82305	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	480453	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	439173	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	196280	31.738	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.800%			
60) 4-Bromofluorobenzene	12.847	95	192545	28.678	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.600%			
63) Toluene-d8	10.571	98	599560	30.421	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	25755	4.602	ug/l	96
3) Chloromethane	2.360	50	30959	5.505	ug/l	96
4) Vinyl Chloride	2.512	62	34520	5.148	ug/l	95
5) Bromomethane	2.948	94	25688	5.704	ug/l	91
6) Chloroethane	3.118	64	22789	5.214	ug/l	92
7) Trichlorofluoromethane	3.495	101	45653	5.170	ug/l	98
8) Diethyl Ether	3.965	74	16261	5.240	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	24625m	5.141	ug/l	
10) 1,1-Dichloroethene	4.342	96	22333	4.755	ug/l	91
11) Methyl Iodide	4.589	142	25334	5.036	ug/l #	75
12) Methyl Acetate	5.030	43	23156m	5.461	ug/l	
13) Acrolein	4.183	56	23337	25.143	ug/l	94
14) Acrylonitrile	5.730	53	52904m	25.006	ug/l	
15) Acetone	4.436	58	12814	26.355	ug/l	76
16) Carbon Disulfide	4.706	76	66291	5.143	ug/l	98
17) Allyl chloride	5.024	41	28751	4.874	ug/l	79
18) Methylene Chloride	5.277	84	28761m	5.354	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	26332	4.939	ug/l	91
20) Diisopropyl ether	6.671	45	68412	4.825	ug/l	96
21) 1,1-Dichloroethane	6.571	63	46269	5.092	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	29662	4.788	ug/l	99
23) tert-Butyl Alcohol	5.512	59	20133m	26.149	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	75135	4.825	ug/l	93
25) Chloroform	7.965	83	48534	4.815	ug/l	94
26) Cyclohexane	8.259	56	34374	5.024	ug/l #	85
29) 1,1-Dichloropropene	8.371	75	35108	4.906	ug/l	91
30) 2-Butanone	7.489	43	68114	25.941	ug/l #	98
31) 2,2-Dichloropropane	7.494	77	37918	4.653	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	44952	4.993	ug/l	99
33) Carbon Tetrachloride	8.365	117	35053	4.621	ug/l	97
34) Benzene	8.606	78	110778	5.065	ug/l #	89
35) Methacrylonitrile	7.789	41	15546	5.037	ug/l	87
36) 1,2-Dichloroethane	8.671	62	37003	5.042	ug/l	97
37) Trichloroethene	9.353	130	28953	4.979	ug/l	81
38) Methylcyclohexane	9.606	83	34381	4.814	ug/l	94
39) 1,2-Dichloropropane	9.624	63	25462	4.908	ug/l	92
40) Dibromomethane	9.712	93	19112	4.843	ug/l	97
41) Bromodichloromethane	9.888	83	37536	4.860	ug/l	92
42) Vinyl Acetate	6.606	43	271658	24.079	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080983.D
 Acq On : 09 Feb 2024 11:35
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 01:40:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:30:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	25850	4.622	ug/l #	78
44) Isopropyl Acetate	8.689	43	50098	5.098	ug/l	95
45) 1,4-Dioxane	9.700	88	9731m	105.010	ug/l	
46) Methyl methacrylate	9.683	41	23272	5.176	ug/l	86
47) n-amyl Acetate	12.500	43	39200	4.574	ug/l	95
48) t-1,3-Dichloropropene	10.841	75	36242	4.477	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	40146	4.577	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	27256	4.991	ug/l	93
51) Ethyl methacrylate	10.877	69	35832	4.695	ug/l	95
52) 1,3-Dichloropropane	11.171	76	44667	4.953	ug/l	99
53) Dibromochloromethane	11.359	129	27719	4.657	ug/l	91
54) 1,2-Dibromoethane	11.471	107	27417	4.853	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	90393	23.111	ug/l	97
56) Bromoform	12.582	173	15892	4.192	ug/l	95
58) 4-Methyl-2-Pentanone	10.447	43	143090	25.096	ug/l	93
59) 2-Hexanone	11.200	43	98954	23.597	ug/l	92
61) Tetrachloroethene	11.106	164	25640	5.111	ug/l	84
62) Toluene	10.635	91	121750	5.061	ug/l	99
64) Chlorobenzene	11.894	112	72818	4.942	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	26127	4.780	ug/l	96
66) Ethyl Benzene	11.965	91	116369	4.601	ug/l	99
67) m/p-Xylenes	12.077	106	91998	9.261	ug/l	94
68) o-Xylene	12.400	106	45368	4.660	ug/l	94
69) Styrene	12.412	104	70505	4.399	ug/l	96
70) Isopropylbenzene	12.700	105	108400	4.569	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	37740	5.159	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	28831m	5.158	ug/l	
73) Bromobenzene	12.982	156	25484	4.320	ug/l	91
74) n-propylbenzene	13.035	91	122203	4.532	ug/l	97
75) 2-Chlorotoluene	13.129	91	78306	4.678	ug/l	93
76) 1,3,5-Trimethylbenzene	13.176	105	87562	4.511	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	8657m	4.030	ug/l	
78) 4-Chlorotoluene	13.224	91	76033	4.535	ug/l	98
79) tert-butylbenzene	13.441	119	69931	4.340	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	85052	4.398	ug/l	99
81) sec-Butylbenzene	13.618	105	99418	4.406	ug/l	100
82) p-Isopropyltoluene	13.735	119	82117	4.335	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	47801	4.505	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	48517	4.555	ug/l	97
85) n-Butylbenzene	14.059	91	63160	4.041	ug/l	98
86) Hexachloroethane	14.335	117	12436	4.162	ug/l #	39
87) 1,2-Dichlorobenzene	14.112	146	49759	4.817	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	6257	4.739	ug/l #	84
89) 1,2,4-Trichlorobenzene	15.841	180	20944	4.144	ug/l	96
90) Hexachlorobutadiene	15.506	225	10463	4.719	ug/l	93
91) Naphthalene	15.647	128	74564	4.155	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	20944	4.144	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080983.D
 Acq On : 09 Feb 2024 11:35
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 01:40:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:30:36 2024
 Response via : Initial Calibration

