

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041024\
 Data File : VN081691.D
 Acq On : 10 Apr 2024 19:41
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2024
 Supervised By : Mahesh Dadoda 04/11/2024

Quant Time: Apr 11 09:28:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	25207	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	183867	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	242122	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	103096	33.293	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.967%#			
60) 4-Bromofluorobenzene	12.853	95	144991	30.459	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.533%			
63) Toluene-d8	10.571	98	295243	30.400	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	69893	19.844	ug/l	97
3) Chloromethane	2.360	50	76552	25.051	ug/l	100
4) Vinyl Chloride	2.518	62	57315	18.240	ug/l	99
5) Bromomethane	2.959	94	51287	19.272	ug/l	95
6) Chloroethane	3.124	64	53512	21.758	ug/l	95
7) Trichlorofluoromethane	3.506	101	122400	23.726	ug/l	100
8) Diethyl Ether	3.965	74	39892	20.733	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	70355	19.878	ug/l	96
10) 1,1-Dichloroethene	4.348	96	63431	19.541	ug/l	93
11) Methyl Iodide	4.589	142	71153	19.356	ug/l	99
12) Methyl Acetate	5.018	43	59021	19.802	ug/l #	87
13) Acrolein	4.177	56	38460	97.975	ug/l	96
14) Acrylonitrile	5.724	53	146517	98.754	ug/l	97
15) Acetone	4.424	58	34242	104.936	ug/l	95
16) Carbon Disulfide	4.712	76	185729	20.122	ug/l	96
17) Allyl chloride	5.030	41	74987	19.097	ug/l	89
18) Methylene Chloride	5.277	84	77469	20.727	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	38401	10.788	ug/l	88
20) Diisopropyl ether	6.677	45	202523	21.664	ug/l	96
21) 1,1-Dichloroethane	6.571	63	131581	21.111	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	87787	20.423	ug/l	94
23) tert-Butyl Alcohol	5.518	59	42773	81.212	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	206689	20.360	ug/l	94
25) Chloroform	7.971	83	150594	21.235	ug/l	97
26) Cyclohexane	8.259	56	99358	19.885	ug/l #	85
29) 1,1-Dichloropropene	8.371	75	92726	19.182	ug/l	95
30) 2-Butanone	7.489	43	174668	94.614	ug/l	98
31) 2,2-Dichloropropane	7.489	77	109480	18.183	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	133225	19.997	ug/l	99
33) Carbon Tetrachloride	8.365	117	116785	19.339	ug/l	96
34) Benzene	8.606	78	310170	19.919	ug/l	99
35) Methacrylonitrile	7.783	41	41639	19.913	ug/l	93
36) 1,2-Dichloroethane	8.677	62	105462	20.648	ug/l	98
37) Trichloroethene	9.353	130	81785	19.848	ug/l	96
38) Methylcyclohexane	9.606	83	105522	17.860	ug/l	97
39) 1,2-Dichloropropane	9.624	63	72734	20.021	ug/l	99
40) Dibromomethane	9.706	93	60251	20.821	ug/l	96
41) Bromodichloromethane	9.894	83	120988	20.503	ug/l	98
42) Vinyl Acetate	6.606	43	771510	100.320	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	85200	20.941	ug/l #	87
44) Isopropyl Acetate	8.694	43	134052	19.664	ug/l	98
45) 1,4-Dioxane	9.700	88	25802	342.862	ug/l	97
46) Methyl methacrylate	9.683	41	63886	20.839	ug/l	84
47) n-amyl Acetate	12.494	43	118937	19.443	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	112420	19.996	ug/l	93
49) cis-1,3-Dichloropropene	10.312	75	119785	19.785	ug/l	91
50) 1,1,2-Trichloroethane	11.018	97	79314	20.469	ug/l	94
51) Ethyl methacrylate	10.877	69	106739	19.784	ug/l	85
52) 1,3-Dichloropropane	11.165	76	127814	20.125	ug/l	99
53) Dibromochloromethane	11.359	129	89934	19.430	ug/l	99
54) 1,2-Dibromoethane	11.477	107	78701	19.650	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	281942	106.416	ug/l	99
56) Bromoform	12.576	173	54936	18.561	ug/l #	97
58) 4-Methyl-2-Pentanone	10.447	43	408950	98.216	ug/l	94
59) 2-Hexanone	11.200	43	300244	96.016	ug/l	92
61) Tetrachloroethene	11.106	164	86996	19.391	ug/l	98
62) Toluene	10.630	91	349756	19.856	ug/l	100
64) Chlorobenzene	11.894	112	219420	19.644	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	78547	19.359	ug/l	94
66) Ethyl Benzene	11.965	91	352204	18.806	ug/l	98
67) m/p-Xylenes	12.071	106	289691	39.050	ug/l	94
68) o-Xylene	12.400	106	135580	19.251	ug/l	95
69) Styrene	12.412	104	229470	19.132	ug/l	97
70) Isopropylbenzene	12.700	105	347587	19.131	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	97782	20.603	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	79442m	18.080	ug/l	
73) Bromobenzene	12.982	156	86695	19.257	ug/l	93
74) n-propylbenzene	13.041	91	407052	18.717	ug/l	99
75) 2-Chlorotoluene	13.129	91	254861	19.670	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	296683	19.239	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	32391	17.801	ug/l	94
78) 4-Chlorotoluene	13.224	91	251864	19.599	ug/l	93
79) tert-butylbenzene	13.441	119	249317	19.004	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	298105	19.384	ug/l	98
81) sec-Butylbenzene	13.618	105	358769	18.962	ug/l	98
82) p-Isopropyltoluene	13.729	119	306834	19.336	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	164820	19.590	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	161926	19.882	ug/l	97
85) n-Butylbenzene	14.059	91	249151	18.641	ug/l	98
86) Hexachloroethane	14.335	117	58353	19.249	ug/l	83
87) 1,2-Dichlorobenzene	14.106	146	158742	19.821	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	20329	19.648	ug/l	99
89) 1,2,4-Trichlorobenzene	15.847	180	81397	18.543	ug/l	98
90) Hexachlorobutadiene	15.500	225	32887	18.695	ug/l	96
91) Naphthalene	15.641	128	260115	18.431	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	81397	18.543	ug/l	98

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

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