

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102524\
 Data File : VN084527.D
 Acq On : 25 Oct 2024 19:37
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2024
 Supervised By : Mahesh Dadoda 10/28/2024

Quant Time: Oct 26 05:32:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	31538	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	170706	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	157076	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	76475	30.119	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.400%			
60) 4-Bromofluorobenzene	12.847	95	76884	29.657	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%			
63) Toluene-d8	10.565	98	219459	30.159	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.533%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	35627	18.502	ug/l	99
3) Chloromethane	2.365	50	41153	18.781	ug/l	96
4) Vinyl Chloride	2.518	62	40740	18.959	ug/l	90
5) Bromomethane	2.965	94	26275	18.456	ug/l	97
6) Chloroethane	3.124	64	25843	18.345	ug/l	94
7) Trichlorofluoromethane	3.494	101	67439	19.267	ug/l	97
8) Diethyl Ether	3.959	74	23726	18.437	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	39547	20.095	ug/l	95
10) 1,1-Dichloroethene	4.347	96	36837	18.759	ug/l	83
11) Methyl Iodide	4.589	142	47859	18.546	ug/l	97
12) Methyl Acetate	5.030	43	51144	20.804	ug/l	97
13) Acrolein	4.183	56	44613	97.690	ug/l	98
14) Acrylonitrile	5.718	53	99485	90.074	ug/l	98
15) Acetone	4.436	58	27159	86.081	ug/l	95
16) Carbon Disulfide	4.712	76	101156	17.299	ug/l	99
17) Allyl chloride	5.024	41	55823	17.536	ug/l	90
18) Methylene Chloride	5.283	84	44030	19.904	ug/l	93
19) trans-1,2-Dichloroethene	5.788	96	38914	18.724	ug/l	86
20) Diisopropyl ether	6.671	45	135783	19.839	ug/l #	98
21) 1,1-Dichloroethane	6.565	63	77671	19.778	ug/l	96
22) cis-1,2-Dichloroethene	7.482	96	46891	19.389	ug/l	97
23) tert-Butyl Alcohol	5.524	59	36129	85.280	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	124567	18.982	ug/l #	83
25) Chloroform	7.965	83	80552	20.252	ug/l	98
26) Cyclohexane	8.259	56	59475	18.107	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	52926	18.887	ug/l	99
30) 2-Butanone	7.482	43	134140	89.907	ug/l	100
31) 2,2-Dichloropropane	7.494	77	50993	15.485	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	71015	19.826	ug/l	98
33) Carbon Tetrachloride	8.359	117	61198	19.721	ug/l	95
34) Benzene	8.606	78	176120	20.078	ug/l	99
35) Methacrylonitrile	7.777	41	28193	17.713	ug/l	97
36) 1,2-Dichloroethane	8.671	62	59295	20.279	ug/l	98
37) Trichloroethene	9.347	130	39851	19.729	ug/l	94
38) Methylcyclohexane	9.600	83	53218	17.289	ug/l	98
39) 1,2-Dichloropropane	9.623	63	42306	19.777	ug/l	100
40) Dibromomethane	9.712	93	29439	19.691	ug/l	99
41) Bromodichloromethane	9.888	83	63470	19.998	ug/l	92
42) Vinyl Acetate	6.606	43	454035	87.500	ug/l	100

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 10/28/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	50798	17.263	ug/l	95
44) Isopropyl Acetate	8.688	43	92788	19.266	ug/l	97
45) 1,4-Dioxane	9.694	88	16021	369.015	ug/l #	87
46) Methyl methacrylate	9.682	41	42804	18.395	ug/l	96
47) n-amyl Acetate	12.494	43	78426	18.307	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	59808	18.236	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	65006	18.913	ug/l #	95
50) 1,1,2-Trichloroethane	11.018	97	40992	20.399	ug/l	97
51) Ethyl methacrylate	10.870	69	62124	18.717	ug/l	98
52) 1,3-Dichloropropane	11.165	76	68327	19.446	ug/l	99
53) Dibromochloromethane	11.359	129	48126	20.274	ug/l	99
54) 1,2-Dibromoethane	11.470	107	39841	19.261	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	145723	96.799	ug/l	98
56) Bromoform	12.582	173	30049	19.086	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	279735	95.601	ug/l	99
59) 2-Hexanone	11.194	43	202052	92.927	ug/l	99
61) Tetrachloroethene	11.100	164	36713	20.663	ug/l	97
62) Toluene	10.629	91	185332	20.155	ug/l	100
64) Chlorobenzene	11.888	112	113160	19.775	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	40642	20.444	ug/l	99
66) Ethyl Benzene	11.965	91	192535	19.272	ug/l	99
67) m/p-Xylenes	12.070	106	150556	39.725	ug/l	99
68) o-Xylene	12.400	106	71820	19.660	ug/l	97
69) Styrene	12.412	104	122646	19.558	ug/l	99
70) Isopropylbenzene	12.694	105	179492	19.247	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	57333	19.873	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	53881m	21.807	ug/l	
73) Bromobenzene	12.976	156	46430	20.557	ug/l	94
74) n-propylbenzene	13.035	91	216025	19.439	ug/l	99
75) 2-Chlorotoluene	13.123	91	137724	19.943	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	158334	20.164	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	17050	16.149	ug/l	95
78) 4-Chlorotoluene	13.217	91	137774	19.623	ug/l	99
79) tert-butylbenzene	13.435	119	129645	19.353	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	156217	19.607	ug/l	100
81) sec-Butylbenzene	13.617	105	181249	19.652	ug/l	100
82) p-Isopropyltoluene	13.729	119	147935	19.057	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	83699	19.930	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	81543	19.554	ug/l	98
85) n-Butylbenzene	14.053	91	121924	18.134	ug/l	99
86) Hexachloroethane	14.335	117	28649	19.155	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	78746	19.394	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10575	17.925	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	39188	18.563	ug/l	98
90) Hexachlorobutadiene	15.500	225	17360	17.775	ug/l	98
91) Naphthalene	15.635	128	119261	16.671	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	39188	18.563	ug/l	98

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

