

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085117.D
 Acq On : 06 Dec 2024 10:02
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 06 22:28:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:19:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	29169	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144230	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136167	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71806	31.025	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.400%			
60) 4-Bromofluorobenzene	12.847	95	65235	28.954	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.500%			
63) Toluene-d8	10.565	98	199139	31.177	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.933%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	10073	4.316	ug/l	100
3) Chloromethane	2.359	50	10004	4.843	ug/l	96
4) Vinyl Chloride	2.518	62	10554	4.995	ug/l #	88
5) Bromomethane	2.953	94	7670	5.718	ug/l	97
6) Chloroethane	3.124	64	6472	4.986	ug/l #	87
7) Trichlorofluoromethane	3.500	101	16991	4.913	ug/l	98
8) Diethyl Ether	3.965	74	4729	4.317	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	9605m	4.967	ug/l	
10) 1,1-Dichloroethene	4.342	96	8113	4.567	ug/l	92
11) Methyl Iodide	4.594	142	10293m	4.178	ug/l	
12) Methyl Acetate	5.030	43	9920	4.734	ug/l	99
13) Acrolein	4.189	56	7501	24.630	ug/l	87
14) Acrylonitrile	5.706	53	19671m	22.606	ug/l	
15) Acetone	4.418	58	5274	22.365	ug/l	85
16) Carbon Disulfide	4.706	76	26140	4.923	ug/l	96
17) Allyl chloride	5.024	41	11376	4.476	ug/l	89
18) Methylene Chloride	5.271	84	10687	5.302	ug/l #	83
19) trans-1,2-Dichloroethene	5.789	96	9118	4.938	ug/l #	79
20) Diisopropyl ether	6.659	45	25012m	4.484	ug/l	
21) 1,1-Dichloroethane	6.571	63	17605	5.113	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	9776	4.606	ug/l	96
23) tert-Butyl Alcohol	5.518	59	6813m	21.825	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	23064	4.159	ug/l #	73
25) Chloroform	7.959	83	18374	5.094	ug/l	96
26) Cyclohexane	8.253	56	11013	3.885	ug/l #	89
29) 1,1-Dichloropropene	8.371	75	11010	4.731	ug/l	97
30) 2-Butanone	7.477	43	24858	23.275	ug/l #	97
31) 2,2-Dichloropropane	7.488	77	14990	5.023	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	16430	5.216	ug/l	96
33) Carbon Tetrachloride	8.359	117	14874	5.233	ug/l #	95
34) Benzene	8.606	78	38013	5.199	ug/l #	92
35) Methacrylonitrile	7.777	41	5355	4.455	ug/l	89
36) 1,2-Dichloroethane	8.671	62	13568	5.451	ug/l #	93
37) Trichloroethene	9.347	130	8822	5.067	ug/l	92
38) Methylcyclohexane	9.600	83	10891	4.304	ug/l	98
39) 1,2-Dichloropropane	9.624	63	9337	5.273	ug/l	100
40) Dibromomethane	9.706	93	6598	5.194	ug/l	95
41) Bromodichloromethane	9.882	83	14332	5.278	ug/l #	84
42) Vinyl Acetate	6.600	43	76634	20.505	ug/l #	85

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Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/09/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	10470	4.927	ug/l #	86
44) Isopropyl Acetate	8.682	43	17789	4.817	ug/l	98
45) 1,4-Dioxane	9.688	88	2638	85.662	ug/l #	78
46) Methyl methacrylate	9.682	41	7196	4.258	ug/l	92
47) n-amyl Acetate	12.494	43	12494	4.021	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	12463	4.675	ug/l	93
49) cis-1,3-Dichloropropene	10.306	75	13955	4.809	ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	9292	5.429	ug/l	91
51) Ethyl methacrylate	10.871	69	10590	4.068	ug/l	88
52) 1,3-Dichloropropane	11.159	76	14378	5.019	ug/l	98
53) Dibromochloromethane	11.353	129	10942	5.246	ug/l	98
54) 1,2-Dibromoethane	11.471	107	8602	4.988	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	23999	19.844	ug/l	98
56) Bromoform	12.576	173	7066	5.052	ug/l	95
58) 4-Methyl-2-Pentanone	10.441	43	48868	21.990	ug/l	99
59) 2-Hexanone	11.194	43	35678	21.188	ug/l	97
61) Tetrachloroethene	11.100	164	9241	5.604	ug/l	93
62) Toluene	10.629	91	40385	5.085	ug/l	96
64) Chlorobenzene	11.888	112	24379	4.972	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	9796	5.352	ug/l	93
66) Ethyl Benzene	11.959	91	36907	4.380	ug/l	98
67) m/p-Xylenes	12.070	106	27271	8.414	ug/l	98
68) o-Xylene	12.394	106	12741	4.186	ug/l	97
69) Styrene	12.412	104	20235	3.918	ug/l	95
70) Isopropylbenzene	12.694	105	31980	4.073	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	12502	5.232	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	13212m	5.597	ug/l	
73) Bromobenzene	12.976	156	9325	4.742	ug/l	94
74) n-propylbenzene	13.035	91	39585	4.194	ug/l	100
75) 2-Chlorotoluene	13.123	91	25942	4.445	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	28160	4.187	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	3618	4.218	ug/l	96
78) 4-Chlorotoluene	13.217	91	27508	4.644	ug/l	99
79) tert-butylbenzene	13.435	119	22204	4.019	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	26128	3.933	ug/l	100
81) sec-Butylbenzene	13.617	105	32252	4.109	ug/l	99
82) p-Isopropyltoluene	13.729	119	24743	3.803	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	17680	4.900	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	16455	4.680	ug/l	98
85) n-Butylbenzene	14.053	91	20500	3.756	ug/l	97
86) Hexachloroethane	14.335	117	6189	4.778	ug/l	84
87) 1,2-Dichlorobenzene	14.106	146	16856	4.950	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.711	75	2146	4.495	ug/l	93
89) 1,2,4-Trichlorobenzene	15.835	180	6347	3.806	ug/l	91
90) Hexachlorobutadiene	15.494	225	4673	5.392	ug/l	93
91) Naphthalene	15.635	128	15972	3.083	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.835	180	6347	3.806	ug/l	91

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

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