

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080671.D
 Acq On : 11 Jan 2024 12:03
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Jan 12 04:42:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 04:36:53 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	14589	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	128642	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138992	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	70851	30.073	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.233%	
60) 4-Bromofluorobenzene	12.847	95	87537	28.470	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 94.900%	
63) Toluene-d8	10.565	98	183084	30.014	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.033%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	11236	4.531	ug/l	83
3) Chloromethane	2.359	50	19248	5.699	ug/l	99
4) Vinyl Chloride	2.512	62	13399	5.215	ug/l	96
5) Bromomethane	2.948	94	5405m	5.729	ug/l	
6) Chloroethane	3.124	64	7461	5.371	ug/l	90
7) Trichlorofluoromethane	3.501	101	19264	5.019	ug/l	85
8) Diethyl Ether	3.953	74	8693m	5.151	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.383	101	11259m	5.090	ug/l	
10) 1,1-Dichloroethene	4.336	96	11965m	5.026	ug/l	
11) Methyl Iodide	4.583	142	10288m	5.077	ug/l	
12) Methyl Acetate	5.024	43	15566	5.538	ug/l #	63
13) Acrolein	4.183	56	13250m	35.376	ug/l	
14) Acrylonitrile	5.718	53	33732	26.630	ug/l	98
15) Acetone	4.436	58	7791	27.125	ug/l #	61
16) Carbon Disulfide	4.700	76	40087m	5.446	ug/l	
17) Allyl chloride	5.012	41	25294m	5.216	ug/l	
18) Methylene Chloride	5.283	84	15152	5.488	ug/l	85
19) trans-1,2-Dichloroethene	5.783	96	12669	5.072	ug/l	94
20) Diisopropyl ether	6.665	45	51023m	5.231	ug/l	
21) 1,1-Dichloroethane	6.565	63	27309	5.152	ug/l	94
22) cis-1,2-Dichloroethene	7.489	96	15235	5.211	ug/l	90
23) tert-Butyl Alcohol	5.500	59	11832m	27.078	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	43636m	5.079	ug/l	
25) Chloroform	7.965	83	26420	5.354	ug/l	90
26) Cyclohexane	8.253	56	21428	5.141	ug/l #	81
29) 1,1-Dichloropropene	8.377	75	19644	5.023	ug/l	95
30) 2-Butanone	7.483	43	44897	25.946	ug/l #	90
31) 2,2-Dichloropropane	7.483	77	22699	4.832	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	20668	4.803	ug/l #	92
33) Carbon Tetrachloride	8.359	117	16278	4.790	ug/l	89
34) Benzene	8.612	78	58849	5.074	ug/l	98
35) Methacrylonitrile	7.771	41	10024	4.616	ug/l	87
36) 1,2-Dichloroethane	8.677	62	20650	4.842	ug/l	98
37) Trichloroethene	9.353	130	12988	5.134	ug/l	89
38) Methylcyclohexane	9.600	83	18392	4.828	ug/l	79
39) 1,2-Dichloropropane	9.624	63	15576	4.982	ug/l	98
40) Dibromomethane	9.712	93	9665	5.196	ug/l	84
41) Bromodichloromethane	9.883	83	19692	4.838	ug/l #	96
42) Vinyl Acetate	6.600	43	195945	24.364	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	16577	4.562	ug/l	98
44) Isopropyl Acetate	8.688	43	34875	5.028	ug/l #	67
45) 1,4-Dioxane	9.694	88	4247	107.660	ug/l #	74
46) Methyl methacrylate	9.683	41	16124	4.937	ug/l	79
47) n-amyl Acetate	12.494	43	32347m	5.201	ug/l	
48) t-1,3-Dichloropropene	10.835	75	23786	4.959	ug/l #	88
49) cis-1,3-Dichloropropene	10.312	75	24838	4.879	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	13011	5.093	ug/l	94
51) Ethyl methacrylate	10.871	69	21437m	4.854	ug/l	
52) 1,3-Dichloropropane	11.165	76	25235	5.247	ug/l	99
53) Dibromochloromethane	11.359	129	11546	4.517	ug/l	96
54) 1,2-Dibromoethane	11.465	107	12697	5.056	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	60016	26.441	ug/l	95
56) Bromoform	12.582	173	6995	4.632	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	97520	26.672	ug/l #	83
59) 2-Hexanone	11.194	43	70566	25.849	ug/l	88
61) Tetrachloroethene	11.106	164	10188	5.506	ug/l #	83
62) Toluene	10.630	91	57712	5.162	ug/l	96
64) Chlorobenzene	11.894	112	31903	5.124	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	11979	5.354	ug/l	96
66) Ethyl Benzene	11.959	91	58186	4.949	ug/l	96
67) m/p-Xylenes	12.071	106	42098	9.962	ug/l	96
68) o-Xylene	12.400	106	22186	5.264	ug/l	96
69) Styrene	12.412	104	35267	4.981	ug/l	99
70) Isopropylbenzene	12.694	105	50224	4.876	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	18190	5.410	ug/l	91
72) 1,2,3-Trichloropropane	12.988	75	18139m	5.491	ug/l	
73) Bromobenzene	12.976	156	11380	5.183	ug/l	81
74) n-propylbenzene	13.035	91	57720	4.646	ug/l	99
75) 2-Chlorotoluene	13.123	91	38992	4.991	ug/l	94
76) 1,3,5-Trimethylbenzene	13.176	105	42132	4.914	ug/l	94
77) t-1,4-Dichloro-2-butene	12.741	75	6408	4.905	ug/l	87
78) 4-Chlorotoluene	13.223	91	37746	4.833	ug/l	94
79) tert-butylbenzene	13.435	119	32044	4.788	ug/l	92
80) 1,2,4-Trimethylbenzene	13.482	105	40016	4.771	ug/l	96
81) sec-Butylbenzene	13.618	105	47676	4.839	ug/l	97
82) p-Isopropyltoluene	13.729	119	35585	4.737	ug/l	93
83) 1,3-Dichlorobenzene	13.735	146	19667	5.163	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	18111	4.722	ug/l	94
85) n-Butylbenzene	14.053	91	32610	4.393	ug/l	93
86) Hexachloroethane	14.335	117	7323	5.183	ug/l	73
87) 1,2-Dichlorobenzene	14.106	146	18694	5.003	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.717	75	3353	4.790	ug/l #	84
89) 1,2,4-Trichlorobenzene	15.841	180	8759	4.674	ug/l	97
90) Hexachlorobutadiene	15.506	225	4299	5.007	ug/l	82
91) Naphthalene	15.647	128	36080	4.938	ug/l #	96
92) 1,2,3-Trichlorobenzene	15.841	180	8759	4.674	ug/l	97

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

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