

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084613.D
 Acq On : 31 Oct 2024 12:08
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 01 02:19:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:19:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/01/2024
 Supervised By : Mahesh Dadoda 11/04/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	31324	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165636	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	148900	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76561	30.402	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.847	95	71798	28.004	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.333%			
63) Toluene-d8	10.565	98	216062	30.652	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.167%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9198	5.049	ug/l	96
3) Chloromethane	2.359	50	11978	5.461	ug/l	99
4) Vinyl Chloride	2.512	62	10376	5.094	ug/l #	82
5) Bromomethane	2.900	94	5354	5.179	ug/l	86
6) Chloroethane	3.071	64	7106m	5.250	ug/l	
7) Trichlorofluoromethane	3.471	101	17062	5.158	ug/l	98
8) Diethyl Ether	3.953	74	5222	4.426	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.365	101	9273	4.960	ug/l #	39
10) 1,1-Dichloroethene	4.324	96	8797	4.819	ug/l	92
11) Methyl Iodide	4.571	142	12414	4.948	ug/l	99
12) Methyl Acetate	5.012	43	20360m	7.148	ug/l	
13) Acrolein	4.171	56	9009	25.674	ug/l	92
14) Acrylonitrile	5.718	53	21872m	23.496	ug/l	
15) Acetone	4.442	58	6033m	25.222	ug/l	
16) Carbon Disulfide	4.700	76	26836	4.996	ug/l #	94
17) Allyl chloride	5.006	41	14923m	4.845	ug/l	
18) Methylene Chloride	5.277	84	11065	5.173	ug/l	91
19) trans-1,2-Dichloroethene	5.777	96	9494m	4.962	ug/l	
20) Diisopropyl ether	6.665	45	27506	4.417	ug/l	93
21) 1,1-Dichloroethane	6.559	63	19373	5.173	ug/l	92
22) cis-1,2-Dichloroethene	7.483	96	11073	4.847	ug/l	98
23) tert-Butyl Alcohol	5.530	59	9753	30.011	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	25957	4.397	ug/l #	90
25) Chloroform	7.965	83	19651	5.122	ug/l	94
26) Cyclohexane	8.247	56	12257	4.285	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	11807	4.733	ug/l	98
30) 2-Butanone	7.483	43	28435	24.708	ug/l	100
31) 2,2-Dichloropropane	7.488	77	15547	5.105	ug/l #	90
32) 1,1,1-Trichloroethane	8.159	97	17431	5.143	ug/l #	85
33) Carbon Tetrachloride	8.359	117	15058	5.206	ug/l	92
34) Benzene	8.600	78	42762	5.186	ug/l #	88
35) Methacrylonitrile	7.777	41	6638	4.867	ug/l	87
36) 1,2-Dichloroethane	8.671	62	14384	5.245	ug/l #	95
37) Trichloroethene	9.347	130	9396m	5.051	ug/l	
38) Methylcyclohexane	9.600	83	11830	4.405	ug/l	97
39) 1,2-Dichloropropane	9.624	63	10243	5.160	ug/l	91
40) Dibromomethane	9.706	93	7103	5.115	ug/l	98
41) Bromodichloromethane	9.888	83	15629	5.250	ug/l	99
42) Vinyl Acetate	6.600	43	95572	22.218	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	11619	4.747	ug/l	97
44) Isopropyl Acetate	8.682	43	34520	7.050	ug/l #	82
45) 1,4-Dioxane	9.700	88	3084	94.340	ug/l	96
46) Methyl methacrylate	9.677	41	9158	4.654	ug/l	95
47) n-amyl Acetate	12.494	43	15131	4.138	ug/l	96
48) t-1,3-Dichloropropene	10.829	75	14040	4.776	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	14763	4.686	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	9392	5.042	ug/l #	89
51) Ethyl methacrylate	10.871	69	12033	4.191	ug/l	92
52) 1,3-Dichloropropane	11.165	76	16055	4.966	ug/l	98
53) Dibromochloromethane	11.359	129	10423	4.782	ug/l	97
54) 1,2-Dibromoethane	11.471	107	9233	4.901	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	28637	20.343	ug/l	99
56) Bromoform	12.576	173	7007	4.796	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	56166	23.910	ug/l	99
59) 2-Hexanone	11.194	43	40278	23.416	ug/l	95
61) Tetrachloroethene	11.106	164	7756	4.977	ug/l	96
62) Toluene	10.629	91	42993	5.069	ug/l	99
64) Chlorobenzene	11.888	112	25563	4.993	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	9514	5.056	ug/l	93
66) Ethyl Benzene	11.959	91	39603	4.443	ug/l	98
67) m/p-Xylenes	12.070	106	30521	8.944	ug/l	91
68) o-Xylene	12.394	106	14127	4.292	ug/l	97
69) Styrene	12.412	104	22620	4.099	ug/l	99
70) Isopropylbenzene	12.694	105	34923	4.271	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	13765	5.194	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	11412m	4.514	ug/l	
73) Bromobenzene	12.976	156	10078	4.779	ug/l	92
74) n-propylbenzene	13.035	91	39598	4.141	ug/l	97
75) 2-Chlorotoluene	13.123	91	28696	4.609	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	29615	4.239	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	3762	4.053	ug/l	93
78) 4-Chlorotoluene	13.217	91	28573	4.542	ug/l	98
79) tert-butylbenzene	13.441	119	23495	4.067	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	28024	3.976	ug/l	100
81) sec-Butylbenzene	13.612	105	32017	4.022	ug/l	99
82) p-Isopropyltoluene	13.729	119	25380	3.794	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	18270	4.684	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	18085	4.693	ug/l	93
85) n-Butylbenzene	14.053	91	21135	3.762	ug/l	99
86) Hexachloroethane	14.335	117	6782	4.957	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	17958	4.672	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.717	75	2451	4.793	ug/l	90
89) 1,2,4-Trichlorobenzene	15.835	180	7643	4.084	ug/l	98
90) Hexachlorobutadiene	15.500	225	3978	4.866	ug/l	96
91) Naphthalene	15.641	128	20829	3.485	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	7643	4.084	ug/l	98

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

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