

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081894.D
 Acq On : 27 Apr 2024 00:46
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: May 14 11:14:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:13:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Semsettin Yesilyurt 05/14/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	42627	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	247708	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	218103	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	109540	34.199	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 114.000%#			
60) 4-Bromofluorobenzene	12.847	95	111480	33.434	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 111.433%			
63) Toluene-d8	10.565	98	311429	31.818	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 106.067%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	347570	119.918	ug/l	99
3) Chloromethane	2.359	50	438145	150.425	ug/l	99
4) Vinyl Chloride	2.512	62	398183	114.659	ug/l	98
5) Bromomethane	2.930	94	179502	76.954	ug/l	99
6) Chloroethane	3.106	64	222947	98.485	ug/l	99
7) Trichlorofluoromethane	3.495	101	552332	120.781	ug/l	96
8) Diethyl Ether	3.954	74	288427	179.448	ug/l	85
9) 1,1,2-Trichlorotrifluoro...	4.365	101	348422	140.384	ug/l	92
10) 1,1-Dichloroethene	4.336	96	372026	152.938	ug/l	87
11) Methyl Iodide	4.589	142	434744	166.873	ug/l	83
12) Methyl Acetate	5.018	43	494639	224.396	ug/l #	78
13) Acrolein	4.171	56	522625	1087.185	ug/l	99
14) Acrylonitrile	5.718	53	1130607	1032.890	ug/l	98
15) Acetone	4.424	58	255849	1016.041	ug/l	90
16) Carbon Disulfide	4.712	76	1012660	151.688	ug/l	97
17) Allyl chloride	5.024	41	674666	220.836	ug/l	88
18) Methylene Chloride	5.277	84	454863	163.625	ug/l #	87
19) trans-1,2-Dichloroethene	5.783	96	387319	140.256	ug/l	98
20) Diisopropyl ether	6.671	45	1584031	215.725	ug/l	95
21) 1,1-Dichloroethane	6.565	63	824073	175.122	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	490421	152.841	ug/l	94
23) tert-Butyl Alcohol	5.518	59	452296	1134.268	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	1440362m	178.611	ug/l	
25) Chloroform	7.965	83	787375	150.820	ug/l	99
26) Cyclohexane	8.259	56	630198	177.851	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	533377	144.556	ug/l	97
30) 2-Butanone	7.483	43	1446655	1068.616	ug/l	94
31) 2,2-Dichloropropane	7.489	77	569669	135.602	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	639198	137.710	ug/l	95
33) Carbon Tetrachloride	8.365	117	502802	128.568	ug/l	98
34) Benzene	8.606	78	1768994	156.888	ug/l	98
35) Methacrylonitrile	7.777	41	378793	238.056	ug/l	93
36) 1,2-Dichloroethane	8.671	62	615462	162.644	ug/l	96
37) Trichloroethene	9.353	130	398424	132.904	ug/l	95
38) Methylcyclohexane	9.600	83	620542	168.521	ug/l	96
39) 1,2-Dichloropropane	9.624	63	466247	174.331	ug/l	96
40) Dibromomethane	9.712	93	295667	145.307	ug/l	92
41) Bromodichloromethane	9.888	83	651150	163.512	ug/l	97
42) Vinyl Acetate	6.600	43	6273075	1083.311	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	633160	224.550	ug/l	99
44) Isopropyl Acetate	8.688	43	1138925	224.801	ug/l	91
45) 1,4-Dioxane	9.694	88	179152	3728.464	ug/l #	94
46) Methyl methacrylate	9.683	41	522586	225.429	ug/l	82
47) n-amyl Acetate	12.494	43	1051780m	238.044	ug/l	
48) t-1,3-Dichloropropene	10.835	75	714731	171.249	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	745703	164.890	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	408998	145.269	ug/l	95
51) Ethyl methacrylate	10.877	69	777214	197.515	ug/l	76
52) 1,3-Dichloropropane	11.165	76	748893	161.077	ug/l	98
53) Dibromochloromethane	11.359	129	457509	149.090	ug/l	98
54) 1,2-Dibromoethane	11.471	107	413156	141.844	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1870042	927.363	ug/l	96
56) Bromoform	12.576	173	276392	141.422	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	3212467	1134.513	ug/l #	87
59) 2-Hexanone	11.194	43	2396303	1150.615	ug/l #	87
61) Tetrachloroethene	11.106	164	351499	141.087	ug/l	95
62) Toluene	10.630	91	1801156	150.759	ug/l	99
64) Chlorobenzene	11.894	112	1121855	153.314	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	364751	134.383	ug/l	96
66) Ethyl Benzene	11.965	91	1970537	156.865	ug/l	100
67) m/p-Xylenes	12.071	106	1445174	292.947	ug/l	99
68) o-Xylene	12.400	106	714688	147.830	ug/l	97
69) Styrene	12.412	104	1253126	157.445	ug/l	99
70) Isopropylbenzene	12.694	105	1813425	153.915	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	549774	151.326	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	432721m	152.152	ug/l	
73) Bromobenzene	12.982	156	398299	135.942	ug/l	80
74) n-propylbenzene	13.035	91	2226620	166.289	ug/l	99
75) 2-Chlorotoluene	13.129	91	1356040	163.135	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	1500363	155.636	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	240172	223.159	ug/l	93
78) 4-Chlorotoluene	13.223	91	1348951	162.027	ug/l	99
79) tert-butylbenzene	13.441	119	1235841	154.432	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	1487359	154.851	ug/l	99
81) sec-Butylbenzene	13.618	105	1808360	161.368	ug/l	99
82) p-Isopropyltoluene	13.729	119	1422700	151.221	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	710256	134.782	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	738959	139.702	ug/l	99
85) n-Butylbenzene	14.059	91	1392945	179.444	ug/l	98
86) Hexachloroethane	14.335	117	288074	194.124	ug/l	83
87) 1,2-Dichlorobenzene	14.106	146	718569	140.057	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	125388	191.214	ug/l	92
89) 1,2,4-Trichlorobenzene	15.841	180	410913	163.716	ug/l	99
90) Hexachlorobutadiene	15.500	225	137755	125.097	ug/l	99
91) Naphthalene	15.641	128	1603293	179.902	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	410913	163.716	ug/l	99

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

