

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041876.D
 Acq On : 14 Jun 2024 14:29
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 15 03:41:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 03:37:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/17/2024
 Supervised By : Mahesh Dadoda 06/17/2024

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

Internal Standards						
1) Bromochloromethane	4.904	128	30325	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	177176	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	167553	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61689	29.551	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.500%		
60) 4-Bromofluorobenzene	11.079	95	78474	30.257	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.867%		
63) Toluene-d8	8.647	98	209845	29.273	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	300910	153.290	ug/l	99
3) Chloromethane	1.301	50	332089	151.338	ug/l	98
4) Vinyl Chloride	1.374	62	326855	152.316	ug/l	98
5) Bromomethane	1.599	94	172760	150.603	ug/l	100
6) Chloroethane	1.660	64	133934	146.085	ug/l	99
7) Trichlorofluoromethane	1.868	101	383182	141.788	ug/l	98
8) Diethyl Ether	2.136	74	176231	150.681	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	277444	151.013	ug/l	99
10) 1,1-Dichloroethene	2.307	96	284357	153.434	ug/l	97
11) Methyl Iodide	2.441	142	368794	152.893	ug/l	99
12) Methyl Acetate	2.709	43	343682	145.453	ug/l	99
13) Acrolein	2.239	56	373714	784.408	ug/l	99
14) Acrylonitrile	3.075	53	849337	757.339	ug/l	98
15) Acetone	2.398	58	236194	736.227	ug/l	95
16) Carbon Disulfide	2.502	76	709134	174.597	ug/l	100
17) Allyl chloride	2.660	41	423673	150.524	ug/l	99
18) Methylene Chloride	2.782	84	306523	144.195	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	285120	153.577	ug/l	99
20) Diisopropyl ether	3.770	45	874246	151.112	ug/l	93
21) 1,1-Dichloroethane	3.605	63	501924	151.883	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	347383	154.575	ug/l	99
23) tert-Butyl Alcohol	3.008	59	355709	808.588	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	883120	154.044	ug/l	98
25) Chloroform	5.099	83	507313	151.054	ug/l	99
26) Cyclohexane	5.464	56	443828	154.627	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	361963	156.528	ug/l	97
30) 2-Butanone	4.568	43	1149643	744.049	ug/l	99
31) 2,2-Dichloropropane	4.471	77	392183	154.781	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	456294	155.735	ug/l	99
33) Carbon Tetrachloride	5.672	117	407058	161.013	ug/l	98
34) Benzene	6.038	78	1151418	149.470	ug/l	99
35) Methacrylonitrile	4.928	41	243414	156.843	ug/l	95
36) 1,2-Dichloroethane	6.086	62	356955	148.744	ug/l	100
37) Trichloroethene	7.123	130	324619	154.278	ug/l	95
38) Methylcyclohexane	7.379	83	480250	156.793	ug/l	98
39) 1,2-Dichloropropane	7.428	63	276956	150.933	ug/l	98
40) Dibromomethane	7.580	93	205575	151.445	ug/l	98
41) Bromodichloromethane	7.824	83	392495	161.400	ug/l	98
42) Vinyl Acetate	3.727	43	3971225	767.852	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	439286	151.630	ug/l	99
44) Isopropyl Acetate	6.348	43	686855	158.289	ug/l	100
45) 1,4-Dioxane	7.665	88	161609	3003.988	ug/l	99
46) Methyl methacrylate	7.696	41	341635	161.027	ug/l	99
47) n-amyl Acetate	10.842	43	648153	166.433	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	428241	171.034	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	460966	164.126	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	297115	150.533	ug/l	98
51) Ethyl methacrylate	9.116	69	506238	161.455	ug/l	99
52) 1,3-Dichloropropane	9.311	76	479536	148.612	ug/l	100
53) Dibromochloromethane	9.525	129	361352	167.295	ug/l	99
54) 1,2-Dibromoethane	9.610	107	320901	154.175	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	1102524	755.446	ug/l	99
56) Bromoform	10.799	173	310844	176.488	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	2227491	741.901	ug/l	98
59) 2-Hexanone	9.433	43	1738052	750.011	ug/l	98
61) Tetrachloroethene	9.275	164	309629	146.857	ug/l	98
62) Toluene	8.720	91	1252754	147.752	ug/l	99
64) Chlorobenzene	10.079	112	865732	149.943	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	315900	158.423	ug/l	99
66) Ethyl Benzene	10.195	91	1409804	152.087	ug/l	99
67) m/p-Xylenes	10.299	106	1138061	305.226	ug/l	96
68) o-Xylene	10.640	106	567397	152.633	ug/l	97
69) Styrene	10.659	104	978238	157.474	ug/l	99
70) Isopropylbenzene	10.963	105	1414092	151.291	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	482437	149.141	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	381465m	137.581	ug/l	
73) Bromobenzene	11.201	156	419068	153.710	ug/l	99
74) n-propylbenzene	11.305	91	1603399	156.162	ug/l	99
75) 2-Chlorotoluene	11.366	91	984586	151.013	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	1217672	155.503	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	172365	177.835	ug/l	85
78) 4-Chlorotoluene	11.457	91	1128949	155.872	ug/l	99
79) tert-butylbenzene	11.713	119	1289242	155.108	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	1222879	156.318	ug/l	99
81) sec-Butylbenzene	11.890	105	1524360	157.237	ug/l	99
82) p-Isopropyltoluene	12.012	119	1354315	159.415	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	762539	156.864	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	766403	158.389	ug/l	100
85) n-Butylbenzene	12.329	91	1118664	170.282	ug/l	99
86) Hexachloroethane	12.536	117	240935	173.660	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	763300	155.261	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	111827	167.133	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	562192	168.933	ug/l	99
90) Hexachlorobutadiene	13.725	225	262105	159.834	ug/l	98
91) Naphthalene	13.774	128	1652215	164.311	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	564908	163.907	ug/l	99

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

