

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042822\
 Data File : VX028408.D
 Acq On : 28 Apr 2022 19:06
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Apr 29 05:42:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 05:39:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	67406	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	381015	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	355079	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	128717	27.970	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	93.233%	
60) 4-Bromofluorobenzene	11.086	95	170702	29.815	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.400%	
63) Toluene-d8	8.653	98	442888	29.012	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	96.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	359303	92.032	ug/l	97
3) Chloromethane	1.288	50	273558	87.338	ug/l	97
4) Vinyl Chloride	1.374	62	353409	113.181	ug/l	100
5) Bromomethane	1.593	94	242095	136.230	ug/l	100
6) Chloroethane	1.673	64	266480	137.929	ug/l	100
7) Trichlorofluoromethane	1.880	101	766118	137.609	ug/l	96
8) Diethyl Ether	2.136	74	307301	165.373	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	440930	117.792	ug/l	99
10) 1,1-Dichloroethene	2.313	96	381030	106.721	ug/l	94
11) Methyl Iodide	2.447	142	578200	133.591	ug/l	100
12) Methyl Acetate	2.703	43	605589	125.478	ug/l	97
13) Acrolein	2.233	56	610457	761.146	ug/l	99
14) Acrylonitrile	3.069	53	1357376	622.215	ug/l	100
15) Acetone	2.380	58	378327	612.222	ug/l	89
16) Carbon Disulfide	2.508	76	492482	56.193	ug/l	99
17) Allyl chloride	2.660	41	586554	100.127	ug/l	92
18) Methylene Chloride	2.788	84	475755	115.790	ug/l	92
19) trans-1,2-Dichloroethene	3.087	96	416947	107.302	ug/l	90
20) Diisopropyl ether	3.764	45	1391375	118.864	ug/l	86
21) 1,1-Dichloroethane	3.611	63	830534	121.190	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	583071	126.763	ug/l	96
23) tert-Butyl Alcohol	2.989	59	668929	725.702	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	1651607	132.981	ug/l	96
25) Chloroform	5.099	83	975104	131.346	ug/l	97
26) Cyclohexane	5.471	56	527685	89.441	ug/l #	92
29) 1,1-Dichloropropene	5.696	75	599491	109.570	ug/l	98
30) 2-Butanone	4.562	43	1879854	599.116	ug/l	93
31) 2,2-Dichloropropane	4.477	77	755300	133.044	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	864633	127.580	ug/l	98
33) Carbon Tetrachloride	5.678	117	748454	122.170	ug/l	97
34) Benzene	6.038	78	1878390	116.479	ug/l	98
35) Methacrylonitrile	4.928	41	391096	119.813	ug/l	87
36) 1,2-Dichloroethane	6.092	62	695080	117.794	ug/l	96
37) Trichloroethene	7.129	130	587915	119.895	ug/l	93
38) Methylcyclohexane	7.379	83	610993	92.378	ug/l	94
39) 1,2-Dichloropropane	7.434	63	499639	124.443	ug/l	98
40) Dibromomethane	7.580	93	387336	127.921	ug/l	98
41) Bromodichloromethane	7.824	83	776022	134.549	ug/l	99
42) Vinyl Acetate	3.727	43	5857316	564.217	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	710937	119.058	ug/l	100
44) Isopropyl Acetate	6.342	43	1194071	129.430	ug/l	98
45) 1,4-Dioxane	7.665	88	304792	2844.048	ug/l #	89
46) Methyl methacrylate	7.696	41	543352	120.508	ug/l	85
47) n-amyl Acetate	10.848	43	1086916	141.790	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	859137	143.363	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	887245	135.412	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	610355	139.765	ug/l	99
51) Ethyl methacrylate	9.122	69	925627	138.363	ug/l	91
52) 1,3-Dichloropropane	9.311	76	939690	130.193	ug/l	99
53) Dibromochloromethane	9.525	129	702531	149.943	ug/l	100
54) 1,2-Dibromoethane	9.610	107	640623	135.753	ug/l	100
55) 2-Chloroethyl vinyl ether	8.251	63	2380480	726.993	ug/l	97
56) Bromoform	10.805	173	574413	166.220	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	3701524m	600.452	ug/l	
59) 2-Hexanone	9.439	43	2900000	612.103	ug/l	91
61) Tetrachloroethene	9.275	164	553871	113.385	ug/l	95
62) Toluene	8.720	91	2205584	119.211	ug/l	99
64) Chlorobenzene	10.080	112	1580976	131.082	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	648751	140.965	ug/l	98
66) Ethyl Benzene	10.195	91	2605341	123.960	ug/l	98
67) m/p-Xylenes	10.305	106	2116268	256.405	ug/l	92
68) o-Xylene	10.647	106	1093671	134.714	ug/l	94
69) Styrene	10.659	104	1877434	139.094	ug/l	97
70) Isopropylbenzene	10.964	105	2793541	130.979	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.214	83	951952	148.003	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	845710m	137.826	ug/l	
73) Bromobenzene	11.201	156	778227	145.371	ug/l	92
74) n-propylbenzene	11.305	91	3154666	130.148	ug/l	96
75) 2-Chlorotoluene	11.366	91	1946317	132.190	ug/l	95
76) 1,3,5-Trimethylbenzene	11.451	105	2390457	133.663	ug/l	96
77) t-1,4-Dichloro-2-butene	11.025	75	323056	178.180	ug/l	77
78) 4-Chlorotoluene	11.457	91	2258486	135.021	ug/l	94
79) tert-butylbenzene	11.720	119	2455745	140.714	ug/l	95
80) 1,2,4-Trimethylbenzene	11.756	105	2379811	133.234	ug/l	95
81) sec-Butylbenzene	11.890	105	2859059	129.412	ug/l	96
82) p-Isopropyltoluene	12.012	119	2520383	133.946	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	1466418	145.299	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	1476935	145.980	ug/l	99
85) n-Butylbenzene	12.335	91	2095043	135.907	ug/l	99
86) Hexachloroethane	12.543	117	456440	155.620	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	1443102	147.516	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	227560	152.302	ug/l	89
89) 1,2,4-Trichlorobenzene	13.591	180	942471	147.522	ug/l	99
90) Hexachlorobutadiene	13.725	225	388723	145.054	ug/l	98
91) Naphthalene	13.780	128	3138530	145.979	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	934102	145.914	ug/l	98

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

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