

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034152.D
 Acq On : 17 Feb 2023 11:40
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 17 12:16:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:12:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	408226	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	682754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	597364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	286918	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	832037	151.339	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 302.680%#			
35) Dibromofluoromethane	5.385	113	667172	150.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 300.160%#			
50) Toluene-d8	8.653	98	2350446	147.267	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 294.540%#			
62) 4-Bromofluorobenzene	11.079	95	944930	154.781	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 309.560%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	590127	167.293	ug/l	98
3) Chloromethane	1.294	50	780948	153.843	ug/l	97
4) Vinyl Chloride	1.374	62	712911	154.209	ug/l	99
5) Bromomethane	1.599	94	236940	148.125	ug/l	100
6) Chloroethane	1.672	64	342505	147.369	ug/l	99
7) Trichlorofluoromethane	1.880	101	934305	149.382	ug/l	98
8) Diethyl Ether	2.136	74	355608	141.128	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	660350	149.920	ug/l	94
10) Methyl Iodide	2.447	142	845983	157.744	ug/l	96
11) Tert butyl alcohol	2.965	59	875777	712.209	ug/l	# 83
12) 1,1-Dichloroethene	2.313	96	659284	149.314	ug/l	98
13) Acrolein	2.233	56	397994	709.036	ug/l	99
14) Allyl chloride	2.660	41	1347795	143.900	ug/l	90
15) Acrylonitrile	3.062	53	1881580	701.417	ug/l	100
16) Acetone	2.380	43	1851879	652.977	ug/l	92
17) Carbon Disulfide	2.508	76	1890276	148.903	ug/l	99
18) Methyl Acetate	2.703	43	1315370	149.892	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	2243482	143.963	ug/l	98
20) Methylene Chloride	2.788	84	727967	142.458	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	675122	145.917	ug/l	95
22) Diisopropyl ether	3.764	45	2238098	136.302	ug/l	# 87
23) Vinyl Acetate	3.721	43	8655717	657.946	ug/l	96
24) 1,1-Dichloroethane	3.611	63	1315015	145.880	ug/l	100
25) 2-Butanone	4.556	43	2771545	675.405	ug/l	97
26) 2,2-Dichloropropane	4.477	77	1172590	143.594	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	801684	146.324	ug/l	94
28) Bromochloromethane	4.897	49	555569	138.158	ug/l	89
29) Tetrahydrofuran	5.001	42	1747598	698.110	ug/l	99
30) Chloroform	5.093	83	1268980	146.603	ug/l	100
31) Cyclohexane	5.471	56	1180002	143.757	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	1155301	148.890	ug/l	99
36) 1,1-Dichloropropene	5.690	75	976507	148.534	ug/l	98
37) Ethyl Acetate	4.715	43	1070569	145.707	ug/l	99
38) Carbon Tetrachloride	5.678	117	1019192	150.655	ug/l	100
39) Methylcyclohexane	7.379	83	1234779	145.948	ug/l	98
40) Benzene	6.038	78	2792034	143.309	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	602981	147.296	ug/l	99
42) 1,2-Dichloroethane	6.086	62	1019894	148.842	ug/l	98
43) Isopropyl Acetate	6.336	43	1871487	144.341	ug/l	99
44) Trichloroethene	7.129	130	749145	149.839	ug/l	94
45) 1,2-Dichloropropane	7.428	63	749695	144.548	ug/l	98
46) Dibromomethane	7.580	93	511676	149.905	ug/l	86
47) Bromodichloromethane	7.824	83	1033759	147.577	ug/l	98
48) Methyl methacrylate	7.690	41	897999	145.922	ug/l	97
49) 1,4-Dioxane	7.665	88	346320	2821.400	ug/l #	98
51) 4-Methyl-2-Pentanone	8.574	43	4774999	669.380	ug/l	97
52) Toluene	8.720	92	1686556	142.866	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	1194640	148.162	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	1255180	145.411	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	693339	145.506	ug/l	99
56) Ethyl methacrylate	9.116	69	1178018	146.140	ug/l	97
57) 1,3-Dichloropropane	9.305	76	1197526	144.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	2531520	724.971	ug/l	98
59) 2-Hexanone	9.433	43	3698358	680.290	ug/l	99
60) Dibromochloromethane	9.525	129	794905	150.977	ug/l	99
61) 1,2-Dibromoethane	9.610	107	740193	146.879	ug/l	98
64) Tetrachloroethene	9.275	164	590769	140.123	ug/l	94
65) Chlorobenzene	10.079	112	1796248	144.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	707221	146.711	ug/l	98
67) Ethyl Benzene	10.195	91	3162120	141.351	ug/l	98
68) m/p-Xylenes	10.305	106	2402285	280.609	ug/l	99
69) o-Xylene	10.640	106	1217661	142.870	ug/l	98
70) Styrene	10.659	104	1988049	143.424	ug/l	95
71) Bromoform	10.799	173	602326	153.078	ug/l	99
73) Isopropylbenzene	10.963	105	3028714	138.507	ug/l	98
74) N-amyl acetate	10.842	43	1576043	143.464	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	1062811	142.105	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	1015810m	114.463	ug/l	
77) Bromobenzene	11.201	156	769078	146.151	ug/l	84
78) n-propylbenzene	11.305	91	3600836	141.590	ug/l	100
79) 2-Chlorotoluene	11.366	91	2219011	142.299	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	2557716	139.123	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	424202	150.940	ug/l	91
82) 4-Chlorotoluene	11.457	91	2476083	139.410	ug/l	97
83) tert-Butylbenzene	11.713	119	2670068	141.806	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	2614976	140.676	ug/l	99
85) sec-Butylbenzene	11.890	105	3254434	142.329	ug/l	100
86) p-Isopropyltoluene	12.012	119	2732472	144.396	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	1474418	149.401	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	1459064	147.996	ug/l	97
89) n-Butylbenzene	12.335	91	2503416	148.531	ug/l	98
90) Hexachloroethane	12.542	117	594162	150.171	ug/l	83
91) 1,2-Dichlorobenzene	12.335	146	1382488	143.176	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	273131	153.145	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	982277	158.453	ug/l	97
94) Hexachlorobutadiene	13.725	225	401020	156.046	ug/l	98
95) Naphthalene	13.774	128	3142652	150.487	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	961650	156.252	ug/l	97

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

