

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX032972.D
 Acq On : 22 Nov 2022 11:01
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 22 11:31:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 10:04:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	135757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135085	71.613	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 143.220%#			
35) Dibromofluoromethane	5.385	113	116456	75.969	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 151.940%#			
50) Toluene-d8	8.653	98	374195	70.201	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 140.400%#			
62) 4-Bromofluorobenzene	11.079	95	161915	77.763	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 155.520%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	87507	55.888	ug/l	99
3) Chloromethane	1.295	50	92969	70.210	ug/l	97
4) Vinyl Chloride	1.374	62	106433	73.034	ug/l	99
5) Bromomethane	1.618	94	77857	66.853	ug/l	97
6) Chloroethane	1.691	64	94613	96.776	ug/l	100
7) Trichlorofluoromethane	1.886	101	208342	75.451	ug/l	99
8) Diethyl Ether	2.130	74	66102	73.871	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	110885	76.084	ug/l	100
10) Methyl Iodide	2.453	142	142627	94.155	ug/l	99
11) Tert butyl alcohol	3.093	59	96168m	350.274	ug/l	
12) 1,1-Dichloroethene	2.319	96	107357	78.854	ug/l	96
13) Acrolein	2.239	56	107313	391.532	ug/l	99
14) Allyl chloride	2.666	41	176248	81.210	ug/l	99
15) Acrylonitrile	3.069	53	271243	364.031	ug/l	99
16) Acetone	2.392	43	266194	388.272	ug/l	98
17) Carbon Disulfide	2.514	76	280017	86.351	ug/l	99
18) Methyl Acetate	2.709	43	152725	68.504	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	381650	79.758	ug/l	99
20) Methylene Chloride	2.788	84	119127	75.784	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	119847	80.871	ug/l	98
22) Diisopropyl ether	3.757	45	395824	84.320	ug/l	89
23) Vinyl Acetate	3.721	43	1576721	415.735	ug/l	99
24) 1,1-Dichloroethane	3.611	63	214705	79.516	ug/l	99
25) 2-Butanone	4.562	43	386349	363.737	ug/l	99
26) 2,2-Dichloropropane	4.477	77	182284	84.925	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	142285	83.063	ug/l	99
28) Bromochloromethane	4.904	49	108529	112.842	ug/l	99
29) Tetrahydrofuran	5.007	42	246594	364.082	ug/l	100
30) Chloroform	5.093	83	245938	83.007	ug/l	99
31) Cyclohexane	5.471	56	192629	84.224	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	221734	83.398	ug/l	99
36) 1,1-Dichloropropene	5.696	75	174708	81.843	ug/l	100
37) Ethyl Acetate	4.715	43	157405	70.839	ug/l	99
38) Carbon Tetrachloride	5.678	117	197532	83.430	ug/l	98
39) Methylcyclohexane	7.379	83	201577	79.811	ug/l	99
40) Benzene	6.038	78	495866	82.086	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	89198	78.801	ug/l	97
42) 1,2-Dichloroethane	6.086	62	198229	80.276	ug/l	100
43) Isopropyl Acetate	6.342	43	266884	78.226	ug/l	99
44) Trichloroethene	7.123	130	136833	80.465	ug/l	96
45) 1,2-Dichloropropane	7.428	63	123923	79.916	ug/l	99
46) Dibromomethane	7.580	93	94658	79.596	ug/l	99
47) Bromodichloromethane	7.824	83	192215	85.281	ug/l	98
48) Methyl methacrylate	7.696	41	136871	77.679	ug/l	98
49) 1,4-Dioxane	7.720	88	50534	1504.911	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	806376	375.244	ug/l	99
52) Toluene	8.720	92	332939	84.477	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	203976	88.698	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	214380	87.157	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	135222	81.469	ug/l	99
56) Ethyl methacrylate	9.116	69	201406	84.321	ug/l	96
57) 1,3-Dichloropropane	9.311	76	214368	79.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	453558	394.357	ug/l	99
59) 2-Hexanone	9.433	43	595153	373.245	ug/l	98
60) Dibromochloromethane	9.525	129	152952	84.368	ug/l	100
61) 1,2-Dibromoethane	9.610	107	144729	82.294	ug/l	98
64) Tetrachloroethene	9.275	164	120846	82.428	ug/l	97
65) Chlorobenzene	10.079	112	356142	79.374	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	138452	81.988	ug/l	99
67) Ethyl Benzene	10.195	91	654170	81.530	ug/l	100
68) m/p-Xylenes	10.305	106	515459	165.442	ug/l	99
69) o-Xylene	10.640	106	250343	82.642	ug/l	99
70) Styrene	10.659	104	425193	84.458	ug/l	99
71) Bromoform	10.799	173	111008	83.142	ug/l #	99
73) Isopropylbenzene	10.963	105	671199	81.112	ug/l	100
74) N-amyl acetate	10.842	43	242778	77.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	195756	73.699	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	175644m	75.603	ug/l	
77) Bromobenzene	11.201	156	161855	79.783	ug/l	98
78) n-propylbenzene	11.305	91	783867	82.219	ug/l	100
79) 2-Chlorotoluene	11.366	91	457770	80.175	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	574538	81.238	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	61103	83.689	ug/l	95
82) 4-Chlorotoluene	11.457	91	542453	81.193	ug/l	98
83) tert-Butylbenzene	11.713	119	560875	79.435	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	564450	80.244	ug/l	100
85) sec-Butylbenzene	11.890	105	683100	80.403	ug/l	100
86) p-Isopropyltoluene	12.012	119	583796	80.980	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303727	79.368	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	306831	77.286	ug/l	99
89) n-Butylbenzene	12.335	91	511865	81.614	ug/l	99
90) Hexachloroethane	12.536	117	97426	82.737	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	293433	77.765	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42107	72.302	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	185061	75.218	ug/l	98
94) Hexachlorobutadiene	13.725	225	76270	74.226	ug/l	99
95) Naphthalene	13.774	128	613068	74.782	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	183701	73.451	ug/l	99

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

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