

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042523\
 Data File : VX035279.D
 Acq On : 25 Apr 2023 13:21
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 25 16:08:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:06:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	251750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	396621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	302206	99.501	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 199.000%#			
35) Dibromofluoromethane	5.385	113	252392	103.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 207.360%#			
50) Toluene-d8	8.647	98	923883	100.606	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 201.220%#			
62) 4-Bromofluorobenzene	11.079	95	357135	103.382	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 206.760%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	296797	111.418	ug/l	99
3) Chloromethane	1.294	50	250666	103.441	ug/l	98
4) Vinyl Chloride	1.374	62	260780	107.295	ug/l	98
5) Bromomethane	1.617	94	169047	104.647	ug/l	98
6) Chloroethane	1.691	64	143301	100.811	ug/l	99
7) Trichlorofluoromethane	1.886	101	391903	103.111	ug/l	100
8) Diethyl Ether	2.130	74	141758	102.294	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	267649	105.433	ug/l	96
10) Methyl Iodide	2.453	142	345534	107.850	ug/l	98
11) Tert butyl alcohol	3.020	59	289639m	525.149	ug/l	
12) 1,1-Dichloroethene	2.319	96	253808	103.802	ug/l	98
13) Acrolein	2.239	56	260372	478.754	ug/l	100
14) Allyl chloride	2.666	41	460828	107.096	ug/l	97
15) Acrylonitrile	3.068	53	706083	510.489	ug/l	99
16) Acetone	2.398	43	679479	515.103	ug/l	98
17) Carbon Disulfide	2.514	76	656736	112.042	ug/l	99
18) Methyl Acetate	2.703	43	527552	103.422	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	869486	103.652	ug/l	98
20) Methylene Chloride	2.788	84	284258	93.980	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	274799	103.480	ug/l	94
22) Diisopropyl ether	3.757	45	868066	101.946	ug/l	91
23) Vinyl Acetate	3.721	43	3152214	538.570	ug/l	98
24) 1,1-Dichloroethane	3.611	63	501999	104.665	ug/l	99
25) 2-Butanone	4.562	43	992424	515.466	ug/l	96
26) 2,2-Dichloropropane	4.477	77	427587	113.794	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	319086	102.221	ug/l	96
28) Bromochloromethane	4.891	49	208252	101.888	ug/l	87
29) Tetrahydrofuran	5.007	42	618292	501.065	ug/l	96
30) Chloroform	5.092	83	503210	103.929	ug/l	97
31) Cyclohexane	5.470	56	457543	106.198	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	457421	107.799	ug/l	97
36) 1,1-Dichloropropene	5.690	75	392336	103.216	ug/l	99
37) Ethyl Acetate	4.714	43	364898	103.479	ug/l	96
38) Carbon Tetrachloride	5.678	117	405294	112.319	ug/l	98
39) Methylcyclohexane	7.379	83	505026	109.151	ug/l	99
40) Benzene	6.037	78	1115172	102.272	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	213319	107.235	ug/l	98
42) 1,2-Dichloroethane	6.086	62	399507	102.759	ug/l	97
43) Isopropyl Acetate	6.336	43	633325	108.567	ug/l	96
44) Trichloroethene	7.123	130	313459	104.352	ug/l	100
45) 1,2-Dichloropropane	7.427	63	288952	105.110	ug/l	99
46) Dibromomethane	7.580	93	198007	104.888	ug/l	93
47) Bromodichloromethane	7.818	83	388651	111.739	ug/l	99
48) Methyl methacrylate	7.690	41	314352	109.856	ug/l	93
49) 1,4-Dioxane	7.732	88	139750	2003.588	ug/l #	79
51) 4-Methyl-2-Pentanone	8.574	43	1826545	509.653	ug/l	96
52) Toluene	8.720	92	713075	103.168	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	443331	122.049	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	477938	116.409	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	279516	101.444	ug/l	99
56) Ethyl methacrylate	9.116	69	447370	108.993	ug/l	91
57) 1,3-Dichloropropane	9.305	76	481773	102.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1165915	568.086	ug/l	95
59) 2-Hexanone	9.433	43	1403797	521.392	ug/l	94
60) Dibromochloromethane	9.518	129	309558	117.259	ug/l	99
61) 1,2-Dibromoethane	9.610	107	300313	105.726	ug/l	99
64) Tetrachloroethene	9.275	164	270730	100.738	ug/l	100
65) Chlorobenzene	10.079	112	772831	101.772	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	293490	111.052	ug/l	98
67) Ethyl Benzene	10.195	91	1382469	105.125	ug/l	99
68) m/p-Xylenes	10.299	106	1066782	211.700	ug/l	97
69) o-Xylene	10.640	106	523265	105.895	ug/l	98
70) Styrene	10.652	104	876232	109.367	ug/l	98
71) Bromoform	10.799	173	225488	122.664	ug/l #	100
73) Isopropylbenzene	10.963	105	1362686	104.462	ug/l	100
74) N-amyl acetate	10.841	43	545007	111.175	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	407422	100.626	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	336019m	98.832	ug/l	
77) Bromobenzene	11.195	156	337584	104.109	ug/l	93
78) n-propylbenzene	11.305	91	1577376	105.287	ug/l	98
79) 2-Chlorotoluene	11.366	91	948843	101.353	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1168747	106.257	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	135074	122.897	ug/l	95
82) 4-Chlorotoluene	11.457	91	1099173	104.537	ug/l	97
83) tert-Butylbenzene	11.713	119	1199691	108.705	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	1177674	106.560	ug/l	100
85) sec-Butylbenzene	11.890	105	1458970	107.775	ug/l	99
86) p-Isopropyltoluene	12.006	119	1263876	109.774	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	648182	105.185	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	654617	101.318	ug/l	99
89) n-Butylbenzene	12.335	91	1105081	113.700	ug/l	99
90) Hexachloroethane	12.542	117	218112	123.755	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	620134	100.617	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	92083	113.419	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	428528	110.613	ug/l	100
94) Hexachlorobutadiene	13.725	225	184654	108.603	ug/l	99
95) Naphthalene	13.774	128	1303963	109.334	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	412623	105.803	ug/l	99

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

