

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034150.D
 Acq On : 17 Feb 2023 10:54
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Feb 17 12:15:51 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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	448976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	749367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	646222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	309964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	291045	48.133	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.260%		
35) Dibromofluoromethane	5.385	113	234831	48.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.260%		
50) Toluene-d8	8.647	98	860231	49.106	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.220%		
62) 4-Bromofluorobenzene	11.079	95	327356	48.855	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	204220	52.639	ug/l	97
3) Chloromethane	1.294	50	288413	51.659	ug/l	97
4) Vinyl Chloride	1.374	62	263451	51.814	ug/l	99
5) Bromomethane	1.599	94	108956	57.522	ug/l	98
6) Chloroethane	1.684	64	137933	53.962	ug/l	99
7) Trichlorofluoromethane	1.886	101	350993	51.025	ug/l	98
8) Diethyl Ether	2.130	74	134333	48.473	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	247711	51.134	ug/l	94
10) Methyl Iodide	2.453	142	312263	52.941	ug/l	93
11) Tert butyl alcohol	2.953	59	327292	242.006	ug/l #	84
12) 1,1-Dichloroethene	2.318	96	246943	50.851	ug/l	94
13) Acrolein	2.233	56	145987	236.474	ug/l	98
14) Allyl chloride	2.660	41	527607	51.218	ug/l	89
15) Acrylonitrile	3.056	53	757933	256.899	ug/l	99
16) Acetone	2.373	43	770646	247.069	ug/l	93
17) Carbon Disulfide	2.507	76	713501	51.104	ug/l	100
18) Methyl Acetate	2.696	43	508483	52.685	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	879711	51.327	ug/l	97
20) Methylene Chloride	2.788	84	274191	48.787	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	263476	51.778	ug/l	94
22) Diisopropyl ether	3.757	45	931063	51.556	ug/l	91
23) Vinyl Acetate	3.715	43	3714710	256.738	ug/l	100
24) 1,1-Dichloroethane	3.605	63	505889	51.027	ug/l	99
25) 2-Butanone	4.544	43	1136871	251.902	ug/l	98
26) 2,2-Dichloropropane	4.471	77	451950	50.322	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	310000	51.446	ug/l	95
28) Bromochloromethane	4.891	49	219406	49.609	ug/l	86
29) Tetrahydrofuran	4.995	42	701603	254.830	ug/l	98
30) Chloroform	5.092	83	487057	51.162	ug/l	98
31) Cyclohexane	5.470	56	473198	52.416	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	434190	50.878	ug/l	99
36) 1,1-Dichloropropene	5.690	75	377342	52.294	ug/l	97
37) Ethyl Acetate	4.708	43	426285	52.861	ug/l	99
38) Carbon Tetrachloride	5.672	117	380429	51.235	ug/l	96
39) Methylcyclohexane	7.379	83	485713	52.307	ug/l	97
40) Benzene	6.037	78	1088263	50.893	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	237276	52.809	ug/l	99
42) 1,2-Dichloroethane	6.086	62	386773	51.428	ug/l	98
43) Isopropyl Acetate	6.336	43	734261	51.597	ug/l	99
44) Trichloroethene	7.123	130	283254	51.618	ug/l	93
45) 1,2-Dichloropropane	7.427	63	292498	51.383	ug/l	98
46) Dibromomethane	7.580	93	191471	51.109	ug/l	87
47) Bromodichloromethane	7.818	83	394531	51.316	ug/l	97
48) Methyl methacrylate	7.689	41	349275	51.711	ug/l	98
49) 1,4-Dioxane	7.653	88	133448	990.533	ug/l #	95
51) 4-Methyl-2-Pentanone	8.567	43	2016256	257.522	ug/l	100
52) Toluene	8.714	92	660380	50.967	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	460794	52.069	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	493921	52.134	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	267910	51.226	ug/l	98
56) Ethyl methacrylate	9.116	69	460557	52.056	ug/l	98
57) 1,3-Dichloropropane	9.305	76	470688	51.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	972776	253.818	ug/l	95
59) 2-Hexanone	9.427	43	1521880	255.056	ug/l	99
60) Dibromochloromethane	9.518	129	295883	51.202	ug/l	100
61) 1,2-Dibromoethane	9.610	107	280899	50.785	ug/l	98
64) Tetrachloroethene	9.275	164	232270	50.926	ug/l	93
65) Chlorobenzene	10.079	112	687499	51.037	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	266314	51.069	ug/l	98
67) Ethyl Benzene	10.195	91	1258594	52.007	ug/l	100
68) m/p-Xylenes	10.299	106	942215	101.738	ug/l	96
69) o-Xylene	10.640	106	470918	51.076	ug/l	96
70) Styrene	10.658	104	777728	51.866	ug/l	96
71) Bromoform	10.799	173	218089	51.236	ug/l #	100
73) Isopropylbenzene	10.963	105	1200842	50.833	ug/l	100
74) N-amyl acetate	10.841	43	587200	49.477	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	397928	49.250	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	388130m	40.483	ug/l	
77) Bromobenzene	11.195	156	285139	50.157	ug/l	82
78) n-propylbenzene	11.305	91	1421177	51.728	ug/l	98
79) 2-Chlorotoluene	11.366	91	852132	50.582	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	1007815	50.743	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	153936	50.701	ug/l	90
82) 4-Chlorotoluene	11.457	91	967405	50.418	ug/l	96
83) tert-Butylbenzene	11.713	119	1031031	50.686	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	1006364	50.113	ug/l	98
85) sec-Butylbenzene	11.890	105	1272083	51.497	ug/l	98
86) p-Isopropyltoluene	12.012	119	1061539	51.926	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	541173	50.759	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	539599	50.663	ug/l	96
89) n-Butylbenzene	12.335	91	951857	52.276	ug/l	98
90) Hexachloroethane	12.536	117	218302	51.072	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	528908	50.703	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	97302	50.501	ug/l	77
93) 1,2,4-Trichlorobenzene	13.591	180	351540	52.491	ug/l	98
94) Hexachlorobutadiene	13.725	225	144252	51.958	ug/l	98
95) Naphthalene	13.774	128	1150935	51.015	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	339630	51.081	ug/l	98

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

