

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
 Data File : VX032640.D
 Acq On : 07 Nov 2022 20:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2022
 Supervised By : Mahesh Dadoda 11/08/2022

Quant Time: Nov 08 03:18:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	105253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169055	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73439	50.216	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.440%			
35) Dibromofluoromethane	5.391	113	59835	49.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.240%			
50) Toluene-d8	8.653	98	200858	47.902	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.800%			
62) 4-Bromofluorobenzene	11.079	95	83845	51.189	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57372	47.261	ug/l	99
3) Chloromethane	1.294	50	46936	45.719	ug/l	99
4) Vinyl Chloride	1.374	62	52874	46.797	ug/l	99
5) Bromomethane	1.611	94	40191	44.512	ug/l	99
6) Chloroethane	1.685	64	37010	48.827	ug/l	99
7) Trichlorofluoromethane	1.886	101	107097	50.026	ug/l	98
8) Diethyl Ether	2.130	74	34262	49.386	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	54973	48.651	ug/l	100
10) Methyl Iodide	2.453	142	46169	37.244	ug/l	98
11) Tert butyl alcohol	2.977	59	46777	219.755	ug/l	97
12) 1,1-Dichloroethene	2.319	96	49830	47.208	ug/l	91
13) Acrolein	2.239	56	52925	249.060	ug/l	99
14) Allyl chloride	2.666	41	82310	48.918	ug/l	98
15) Acrylonitrile	3.062	53	142496	246.666	ug/l	98
16) Acetone	2.380	43	127693	240.233	ug/l	98
17) Carbon Disulfide	2.514	76	106203	42.242	ug/l	99
18) Methyl Acetate	2.703	43	92584	53.563	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	189487	51.076	ug/l	100
20) Methylene Chloride	2.788	84	57548	47.220	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	54607	47.527	ug/l	96
22) Diisopropyl ether	3.757	45	186675	51.291	ug/l #	86
23) Vinyl Acetate	3.721	43	728491	247.750	ug/l	100
24) 1,1-Dichloroethane	3.611	63	104382	49.862	ug/l	99
25) 2-Butanone	4.556	43	196997	239.219	ug/l	98
26) 2,2-Dichloropropane	4.477	77	78393	47.108	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	67149	50.561	ug/l	99
28) Bromochloromethane	4.903	49	36204	48.552	ug/l	98
29) Tetrahydrofuran	5.007	42	125443	238.886	ug/l	98
30) Chloroform	5.099	83	117762	51.265	ug/l	100
31) Cyclohexane	5.470	56	84180	47.473	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	106901	51.860	ug/l	99
36) 1,1-Dichloropropene	5.690	75	81235	48.376	ug/l	98
37) Ethyl Acetate	4.714	43	80784	46.217	ug/l	98
38) Carbon Tetrachloride	5.678	117	92126	49.463	ug/l	96
39) Methylcyclohexane	7.385	83	91012	45.808	ug/l	98
40) Benzene	6.037	78	230374	48.479	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	46412	52.122	ug/l	97
42) 1,2-Dichloroethane	6.092	62	98933	50.930	ug/l	99
43) Isopropyl Acetate	6.342	43	135389	50.446	ug/l	100
44) Trichloroethene	7.129	130	64212	48.001	ug/l	97
45) 1,2-Dichloropropane	7.434	63	60442	49.549	ug/l	97
46) Dibromomethane	7.580	93	45861	49.022	ug/l	99
47) Bromodichloromethane	7.824	83	90041	50.783	ug/l	99
48) Methyl methacrylate	7.696	41	69231	49.947	ug/l	99
49) 1,4-Dioxane	7.677	88	22937	868.321	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	427014	252.601	ug/l	99
52) Toluene	8.720	92	153172	49.405	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	92175	50.952	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	97963	50.629	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	65326	50.032	ug/l	97
56) Ethyl methacrylate	9.116	69	97223	51.743	ug/l	98
57) 1,3-Dichloropropane	9.311	76	106199	50.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	237603	262.619	ug/l	100
59) 2-Hexanone	9.433	43	318137	253.628	ug/l	100
60) Dibromochloromethane	9.525	129	72497	50.834	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70199	50.741	ug/l	99
64) Tetrachloroethene	9.275	164	55662	48.872	ug/l	96
65) Chlorobenzene	10.079	112	170047	48.785	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	66238	50.492	ug/l	99
67) Ethyl Benzene	10.195	91	310258	49.775	ug/l	100
68) m/p-Xylenes	10.305	106	241586	99.813	ug/l	100
69) o-Xylene	10.640	106	120341	51.138	ug/l	99
70) Styrene	10.659	104	201478	51.516	ug/l	99
71) Bromoform	10.799	173	52516	50.632	ug/l #	99
73) Isopropylbenzene	10.963	105	320415	47.607	ug/l	99
74) N-amyl acetate	10.841	43	127519	50.145	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101063	46.781	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	92474m	48.938	ug/l	
77) Bromobenzene	11.201	156	80120	48.557	ug/l	99
78) n-propylbenzene	11.305	91	372258	48.006	ug/l	100
79) 2-Chlorotoluene	11.366	91	225279	48.511	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	279340	48.562	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27710	46.663	ug/l	97
82) 4-Chlorotoluene	11.457	91	263823	48.550	ug/l	99
83) tert-Butylbenzene	11.713	119	277153	48.261	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	280183	48.973	ug/l	100
85) sec-Butylbenzene	11.890	105	332706	48.147	ug/l	100
86) p-Isopropyltoluene	12.012	119	288294	49.167	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	150770	48.440	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	153795	47.629	ug/l	98
89) n-Butylbenzene	12.335	91	242322	47.504	ug/l	100
90) Hexachloroethane	12.542	117	45848	47.871	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	150500	49.038	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22306	47.092	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	92550	46.249	ug/l	98
94) Hexachlorobutadiene	13.725	225	35972	43.042	ug/l	98
95) Naphthalene	13.774	128	316773	47.507	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	93281	45.857	ug/l	99

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

