

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072522\
 Data File : VX030202.D
 Acq On : 25 Jul 2022 19:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/26/2022
 Supervised By : Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 01:38:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	145222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	261483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153612	52.627	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.260%			
35) Dibromofluoromethane	5.397	113	123145	49.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	8.653	98	490965	50.718	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.440%			
62) 4-Bromofluorobenzene	11.085	95	189102	52.637	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	128012	53.720	ug/l	100
3) Chloromethane	1.288	50	121258	51.458	ug/l	100
4) Vinyl Chloride	1.374	62	118040	49.631	ug/l	98
5) Bromomethane	1.599	94	43248	52.085	ug/l	98
6) Chloroethane	1.678	64	68190	49.934	ug/l	99
7) Trichlorofluoromethane	1.880	101	159072	50.765	ug/l	96
8) Diethyl Ether	2.136	74	61839	50.396	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	114050	49.140	ug/l	97
10) Methyl Iodide	2.447	142	121146	53.451	ug/l	97
11) Tert butyl alcohol	2.977	59	189021	265.480	ug/l	99
12) 1,1-Dichloroethene	2.319	96	113262	49.926	ug/l	98
13) Acrolein	2.239	56	34766	198.664	ug/l	97
14) Allyl chloride	2.666	41	227043	48.500	ug/l	97
15) Acrylonitrile	3.068	53	448227	254.748	ug/l	99
16) Acetone	2.386	43	373678	250.055	ug/l	96
17) Carbon Disulfide	2.508	76	289031	47.198	ug/l	98
18) Methyl Acetate	2.709	43	215724	48.805	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	399829	51.452	ug/l	99
20) Methylene Chloride	2.788	84	136854	53.612	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	123727	49.412	ug/l	99
22) Diisopropyl ether	3.770	45	462401	52.205	ug/l	89
23) Vinyl Acetate	3.727	43	2052001	267.073	ug/l	98
24) 1,1-Dichloroethane	3.611	63	231350	49.154	ug/l	99
25) 2-Butanone	4.568	43	646765	257.551	ug/l	98
26) 2,2-Dichloropropane	4.483	77	148943	43.764	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	146466	49.741	ug/l	97
28) Bromochloromethane	4.910	49	104652	52.632	ug/l	95
29) Tetrahydrofuran	5.013	42	432822	256.162	ug/l	96
30) Chloroform	5.099	83	236031	50.650	ug/l	99
31) Cyclohexane	5.477	56	214251	50.555	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	192222	50.746	ug/l	99
36) 1,1-Dichloropropene	5.696	75	168587	46.865	ug/l	98
37) Ethyl Acetate	4.721	43	239523	47.019	ug/l	98
38) Carbon Tetrachloride	5.684	117	158876	47.309	ug/l	98
39) Methylcyclohexane	7.385	83	215006	46.305	ug/l	95
40) Benzene	6.044	78	536131	47.369	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	126357	46.273	ug/l	96
42) 1,2-Dichloroethane	6.092	62	183376	46.889	ug/l	98
43) Isopropyl Acetate	6.348	43	366905	49.132	ug/l	98
44) Trichloroethene	7.129	130	138470	44.775	ug/l	95
45) 1,2-Dichloropropane	7.434	63	142652	47.256	ug/l	99
46) Dibromomethane	7.586	93	94389	45.979	ug/l	98
47) Bromodichloromethane	7.830	83	176800	47.375	ug/l	97
48) Methyl methacrylate	7.702	41	178569	48.581	ug/l	96
49) 1,4-Dioxane	7.665	88	79307	934.173	ug/l	93
51) 4-Methyl-2-Pentanone	8.580	43	1248795	246.322	ug/l	97
52) Toluene	8.720	92	328666	47.597	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	195751	48.661	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	209802	47.858	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	143244	48.721	ug/l	92
56) Ethyl methacrylate	9.122	69	234513	50.457	ug/l	94
57) 1,3-Dichloropropane	9.311	76	231162	47.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	620439	268.977	ug/l	97
59) 2-Hexanone	9.433	43	997344	249.351	ug/l	97
60) Dibromochloromethane	9.525	129	135245	49.693	ug/l	100
61) 1,2-Dibromoethane	9.616	107	147184	47.944	ug/l	99
64) Tetrachloroethene	9.275	164	133767	45.157	ug/l	97
65) Chlorobenzene	10.079	112	354396	47.414	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	125138	49.250	ug/l	99
67) Ethyl Benzene	10.195	91	648865	46.766	ug/l	97
68) m/p-Xylenes	10.305	106	494080	97.579	ug/l	96
69) o-Xylene	10.646	106	245025	49.099	ug/l	95
70) Styrene	10.659	104	416431	50.790	ug/l	98
71) Bromoform	10.805	173	96493	51.656	ug/l #	100
73) Isopropylbenzene	10.963	105	638223	47.390	ug/l	99
74) N-amyl acetate	10.848	43	333391	50.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	230517	46.764	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	217013m	47.723	ug/l	
77) Bromobenzene	11.201	156	144863	45.829	ug/l	93
78) n-propylbenzene	11.305	91	774463	48.182	ug/l	98
79) 2-Chlorotoluene	11.366	91	462148	45.529	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	543851	48.227	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	72619	47.907	ug/l	94
82) 4-Chlorotoluene	11.457	91	530928	47.873	ug/l	97
83) tert-Butylbenzene	11.719	119	505633	48.375	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	545622	48.497	ug/l	98
85) sec-Butylbenzene	11.890	105	692445	48.402	ug/l	99
86) p-Isopropyltoluene	12.012	119	563183	49.205	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	284983	46.357	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	286659	45.807	ug/l	100
89) n-Butylbenzene	12.335	91	547725	51.400	ug/l	98
90) Hexachloroethane	12.542	117	98116	49.788	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	290811	48.196	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62526	52.886	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	166722	47.646	ug/l	98
94) Hexachlorobutadiene	13.725	225	64599	45.977	ug/l	98
95) Naphthalene	13.780	128	700260	51.233	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	172857	48.167	ug/l	99

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

