

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062722\
 Data File : VX029827.D
 Acq On : 27 Jun 2022 19:37
 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 06/28/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 28 10:16:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 15:32:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	251941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	512197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	441092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	203515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	203640	52.172	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	5.391	113	164765	50.075	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.160%			
50) Toluene-d8	8.653	98	651869	50.590	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.180%			
62) 4-Bromofluorobenzene	11.085	95	239314	50.786	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	172872	54.870	ug/l	99
3) Chloromethane	1.288	50	185430	52.865	ug/l	99
4) Vinyl Chloride	1.374	62	199492	53.959	ug/l	98
5) Bromomethane	1.612	94	50655	67.419	ug/l	97
6) Chloroethane	1.685	64	91950	45.346	ug/l	99
7) Trichlorofluoromethane	1.886	101	228048	54.198	ug/l	98
8) Diethyl Ether	2.136	74	103828	51.999	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	157849	52.871	ug/l	93
10) Methyl Iodide	2.453	142	191570	55.930	ug/l	97
11) Tert butyl alcohol	2.989	59	255685	267.601	ug/l	97
12) 1,1-Dichloroethene	2.319	96	164128	53.439	ug/l	97
13) Acrolein	2.239	56	165155	241.822	ug/l	99
14) Allyl chloride	2.666	41	302351	53.924	ug/l	93
15) Acrylonitrile	3.069	53	606282	263.898	ug/l	98
16) Acetone	2.386	43	466712	250.810	ug/l	98
17) Carbon Disulfide	2.514	76	430114	54.419	ug/l	99
18) Methyl Acetate	2.709	43	280328	50.241	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	566764	53.350	ug/l	94
20) Methylene Chloride	2.788	84	194474	50.517	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	174166	52.972	ug/l	93
22) Diisopropyl ether	3.764	45	612918	53.456	ug/l	89
23) Vinyl Acetate	3.727	43	2670756	273.864	ug/l	94
24) 1,1-Dichloroethane	3.611	63	332710	53.368	ug/l	96
25) 2-Butanone	4.562	43	822389	260.253	ug/l	94
26) 2,2-Dichloropropane	4.483	77	224243	51.347	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	210253	52.346	ug/l	99
28) Bromochloromethane	4.898	49	116157	47.060	ug/l	86
29) Tetrahydrofuran	5.013	42	562507	267.008	ug/l	89
30) Chloroform	5.099	83	326431	53.835	ug/l	98
31) Cyclohexane	5.471	56	317603	54.625	ug/l	85
32) 1,1,1-Trichloroethane	5.391	97	254511	54.111	ug/l	97
36) 1,1-Dichloropropene	5.696	75	251016	52.083	ug/l	98
37) Ethyl Acetate	4.721	43	310932	52.358	ug/l	99
38) Carbon Tetrachloride	5.684	117	200132	51.189	ug/l	100
39) Methylcyclohexane	7.385	83	314374	53.694	ug/l	91
40) Benzene	6.044	78	831507	54.961	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	171417	50.366	ug/l	93
42) 1,2-Dichloroethane	6.092	62	250838	51.366	ug/l	99
43) Isopropyl Acetate	6.342	43	479526	52.778	ug/l	97
44) Trichloroethene	7.129	130	184875	49.810	ug/l	90
45) 1,2-Dichloropropane	7.434	63	205506	51.420	ug/l	97
46) Dibromomethane	7.586	93	136646	53.466	ug/l #	86
47) Bromodichloromethane	7.824	83	241214	52.826	ug/l	97
48) Methyl methacrylate	7.696	41	237278	52.500	ug/l	89
49) 1,4-Dioxane	7.690	88	107853	994.892	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	1575384	263.031	ug/l	94
52) Toluene	8.720	92	480349	53.493	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	272137	55.044	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	310159	53.662	ug/l #	92
55) 1,1,2-Trichloroethane	9.159	97	202868	53.635	ug/l	95
56) Ethyl methacrylate	9.116	69	334299	54.334	ug/l	91
57) 1,3-Dichloropropane	9.311	76	337307	52.860	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	744646	253.018	ug/l	94
59) 2-Hexanone	9.433	43	1226630	263.760	ug/l	93
60) Dibromochloromethane	9.525	129	170301	52.974	ug/l	97
61) 1,2-Dibromoethane	9.616	107	206306	54.830	ug/l	98
64) Tetrachloroethene	9.275	164	132805	52.183	ug/l	91
65) Chlorobenzene	10.080	112	494801	53.392	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	162204	54.260	ug/l	96
67) Ethyl Benzene	10.195	91	917212	54.573	ug/l	99
68) m/p-Xylenes	10.305	106	683372	108.102	ug/l	99
69) o-Xylene	10.647	106	342350	54.785	ug/l	100
70) Styrene	10.659	104	555143	54.006	ug/l	98
71) Bromoform	10.805	173	111757	55.928	ug/l #	100
73) Isopropylbenzene	10.964	105	835463	49.467	ug/l	99
74) N-amyl acetate	10.842	43	413371	51.005	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	324237	49.126	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	295324m	51.189	ug/l	
77) Bromobenzene	11.201	156	182796	49.286	ug/l	82
78) n-propylbenzene	11.305	91	1023335	50.068	ug/l	99
79) 2-Chlorotoluene	11.366	91	621045	50.443	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	712521	50.519	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	101369	53.440	ug/l	96
82) 4-Chlorotoluene	11.457	91	705485	50.302	ug/l	97
83) tert-Butylbenzene	11.719	119	695439	50.829	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	719114	50.555	ug/l	100
85) sec-Butylbenzene	11.890	105	950933	53.440	ug/l	96
86) p-Isopropyltoluene	12.012	119	739604	52.546	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	363241	50.985	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	362870	50.287	ug/l	95
89) n-Butylbenzene	12.335	91	699825	53.077	ug/l	97
90) Hexachloroethane	12.543	117	120413	56.584	ug/l	78
91) 1,2-Dichlorobenzene	12.335	146	353567	49.913	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	78658	52.322	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	207011	50.466	ug/l	97
94) Hexachlorobutadiene	13.725	225	70426	47.816	ug/l	96
95) Naphthalene	13.774	128	900756	51.860	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	209844	50.631	ug/l	93

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

