

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031337.D
 Acq On : 15 Sep 2022 04:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/15/2022
 Supervised By : Mahesh Dadoda 09/15/2022

Quant Time: Sep 15 08:28:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	37391	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	63505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	76958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	50005	54.485	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.960%			
35) Dibromofluoromethane	5.391	113	36121	52.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	8.653	98	148495	57.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.980%#			
62) 4-Bromofluorobenzene	11.079	95	58424	62.306	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 124.620%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19974	49.474	ug/l	98
3) Chloromethane	1.288	50	35417	64.446	ug/l	98
4) Vinyl Chloride	1.374	62	40835	62.506	ug/l	99
5) Bromomethane	1.612	94	31090	63.459	ug/l	98
6) Chloroethane	1.685	64	38741	74.710	ug/l	99
7) Trichlorofluoromethane	1.886	101	77727	64.904	ug/l	100
8) Diethyl Ether	2.136	74	30735	65.620	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	29135	51.448	ug/l	97
10) Methyl Iodide	2.453	142	33778	55.795	ug/l	100
11) Tert butyl alcohol	3.008	59	47189m	245.504	ug/l	
12) 1,1-Dichloroethene	2.319	96	28395	54.392	ug/l	92
13) Acrolein	2.239	56	20189	190.625	ug/l	97
14) Allyl chloride	2.666	41	57095	49.508	ug/l	97
15) Acrylonitrile	3.069	53	109793	259.374	ug/l	100
16) Acetone	2.392	43	98210	250.662	ug/l	96
17) Carbon Disulfide	2.514	76	71841	57.377	ug/l	97
18) Methyl Acetate	2.709	43	60258	51.865	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	125116	51.754	ug/l	99
20) Methylene Chloride	2.788	84	36387	59.682	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	32576	55.691	ug/l	92
22) Diisopropyl ether	3.764	45	138422	57.358	ug/l	94
23) Vinyl Acetate	3.727	43	588240	293.299	ug/l	97
24) 1,1-Dichloroethane	3.611	63	68838	54.352	ug/l	99
25) 2-Butanone	4.568	43	165655	256.329	ug/l	97
26) 2,2-Dichloropropane	4.477	77	37477	31.189	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	39425	51.271	ug/l	98
28) Bromochloromethane	4.904	49	31068	52.628	ug/l	92
29) Tetrahydrofuran	5.013	42	108819	271.839	ug/l	95
30) Chloroform	5.099	83	72754	54.247	ug/l	94
31) Cyclohexane	5.477	56	57878	58.699	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	62743	52.211	ug/l	97
36) 1,1-Dichloropropene	5.690	75	50922	54.500	ug/l	98
37) Ethyl Acetate	4.721	43	66428	54.101	ug/l	97
38) Carbon Tetrachloride	5.684	117	51289	50.500	ug/l	99
39) Methylcyclohexane	7.385	83	56299	54.714	ug/l	98
40) Benzene	6.044	78	150542	56.108	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	34779	52.287	ug/l	96
42) 1,2-Dichloroethane	6.086	62	62081	57.363	ug/l	98
43) Isopropyl Acetate	6.342	43	111914	53.398	ug/l	96
44) Trichloroethene	7.129	130	36122	52.804	ug/l	100
45) 1,2-Dichloropropane	7.434	63	40941	55.738	ug/l	92
46) Dibromomethane	7.586	93	28176	54.090	ug/l	96
47) Bromodichloromethane	7.824	83	57935	53.473	ug/l	99
48) Methyl methacrylate	7.696	41	51352	53.823	ug/l	97
49) 1,4-Dioxane	7.702	88	19102	998.332	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	365876	287.199	ug/l	98
52) Toluene	8.720	92	103590	61.035	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	63614	52.174	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	62230	49.665	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	42296	56.453	ug/l	95
56) Ethyl methacrylate	9.116	69	69765	57.521	ug/l	94
57) 1,3-Dichloropropane	9.311	76	71498	55.537	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	148392	262.591	ug/l	96
59) 2-Hexanone	9.433	43	280379	288.362	ug/l	98
60) Dibromochloromethane	9.525	129	45485	56.312	ug/l	99
61) 1,2-Dibromoethane	9.610	107	45751	59.511	ug/l	99
64) Tetrachloroethene	9.275	164	35351	50.241	ug/l	97
65) Chlorobenzene	10.079	112	107406	52.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	40280	50.158	ug/l	98
67) Ethyl Benzene	10.195	91	204048	55.271	ug/l	100
68) m/p-Xylenes	10.305	106	160480	114.481	ug/l	95
69) o-Xylene	10.646	106	79224	55.643	ug/l	98
70) Styrene	10.659	104	134931	58.278	ug/l	99
71) Bromoform	10.799	173	31110	48.662	ug/l #	98
73) Isopropylbenzene	10.963	105	207976	47.555	ug/l	98
74) N-amyl acetate	10.842	43	103917	47.796	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	71559	45.530	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	68682m	46.030	ug/l	
77) Bromobenzene	11.201	156	45834	45.963	ug/l	90
78) n-propylbenzene	11.305	91	248533	48.423	ug/l	97
79) 2-Chlorotoluene	11.366	91	151329	48.187	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	183222	50.005	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20702	38.390	ug/l	94
82) 4-Chlorotoluene	11.457	91	176468	49.024	ug/l	99
83) tert-Butylbenzene	11.713	119	174193	47.517	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	182486	50.109	ug/l	98
85) sec-Butylbenzene	11.890	105	228455	49.768	ug/l	99
86) p-Isopropyltoluene	12.012	119	189241	50.591	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	94723	49.824	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	98136	50.224	ug/l	100
89) n-Butylbenzene	12.335	91	166563	50.214	ug/l	98
90) Hexachloroethane	12.542	117	35212	47.137	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	95258	49.214	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17909	49.692	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	48941	46.695	ug/l	98
94) Hexachlorobutadiene	13.725	225	16566	40.491	ug/l	98
95) Naphthalene	13.774	128	198720	46.667	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	49494	44.097	ug/l	99

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

