

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053123\
 Data File : VX035944.D
 Acq On : 31 May 2023 18:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 05:17:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	199842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	369292	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	149396	46.037	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.080%		
35) Dibromofluoromethane	5.385	113	111562	44.915	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.840%		
50) Toluene-d8	8.647	98	400776	44.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.920%#		
62) 4-Bromofluorobenzene	11.079	95	161052	45.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	104419	47.823	ug/l	96
3) Chloromethane	1.295	50	116749	46.781	ug/l	98
4) Vinyl Chloride	1.374	62	108492	46.279	ug/l	99
5) Bromomethane	1.612	94	68328	44.254	ug/l	100
6) Chloroethane	1.691	64	66044	47.845	ug/l	98
7) Trichlorofluoromethane	1.886	101	154434	46.816	ug/l	98
8) Diethyl Ether	2.130	74	66319	46.292	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	93987	45.907	ug/l	100
10) Methyl Iodide	2.453	142	107268	44.509	ug/l	99
11) Tert butyl alcohol	3.020	59	147133	255.301	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	92360	46.068	ug/l	98
13) Acrolein	2.239	56	138008	248.604	ug/l	99
14) Allyl chloride	2.666	41	196952	47.788	ug/l	100
15) Acrylonitrile	3.069	53	349037	257.771	ug/l	100
16) Acetone	2.398	43	327598	244.694	ug/l	100
17) Carbon Disulfide	2.514	76	221206	44.032	ug/l	99
18) Methyl Acetate	2.709	43	271071	52.081	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	391634	49.867	ug/l	99
20) Methylene Chloride	2.788	84	116711	45.256	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	103249	45.051	ug/l	100
22) Diisopropyl ether	3.758	45	401096	50.035	ug/l	98
23) Vinyl Acetate	3.721	43	1484940	263.656	ug/l	99
24) 1,1-Dichloroethane	3.611	63	214877	48.328	ug/l	99
25) 2-Butanone	4.568	43	510531	266.428	ug/l	99
26) 2,2-Dichloropropane	4.477	77	160471	47.350	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	127152	46.226	ug/l	99
28) Bromochloromethane	4.898	49	113071	48.564	ug/l	92
29) Tetrahydrofuran	5.013	42	327327	265.080	ug/l	99
30) Chloroform	5.093	83	220324	48.110	ug/l	97
31) Cyclohexane	5.471	56	162571	47.847	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	185193	47.854	ug/l	99
36) 1,1-Dichloropropene	5.696	75	149416	45.116	ug/l	98
37) Ethyl Acetate	4.715	43	187686	50.887	ug/l	99
38) Carbon Tetrachloride	5.678	117	148379	45.975	ug/l	97
39) Methylcyclohexane	7.379	83	157885	45.692	ug/l	98
40) Benzene	6.038	78	460987	46.379	ug/l	99

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41) Methacrylonitrile	4.922	41	105574	50.458	ug/l	96
42) 1,2-Dichloroethane	6.086	62	186990	47.506	ug/l	98
43) Isopropyl Acetate	6.342	43	296834	48.945	ug/l	98
44) Trichloroethene	7.123	130	116842	45.315	ug/l	99
45) 1,2-Dichloropropane	7.428	63	124626	47.638	ug/l	99
46) Dibromomethane	7.580	93	87023	47.886	ug/l	98
47) Bromodichloromethane	7.824	83	167334	48.950	ug/l	98
48) Methyl methacrylate	7.696	41	150741	50.685	ug/l	95
49) 1,4-Dioxane	7.720	88	67283	987.802	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	961428	259.715	ug/l	98
52) Toluene	8.720	92	290579	46.500	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	177896	49.229	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	191740	48.050	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	123007	47.246	ug/l	98
56) Ethyl methacrylate	9.116	69	194404	49.944	ug/l	95
57) 1,3-Dichloropropane	9.311	76	212849	47.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	498905	244.614	ug/l	98
59) 2-Hexanone	9.433	43	734609	268.417	ug/l	98
60) Dibromochloromethane	9.525	129	122586	48.502	ug/l	99
61) 1,2-Dibromoethane	9.610	107	130629	49.079	ug/l	100
64) Tetrachloroethene	9.275	164	93075	44.601	ug/l	97
65) Chlorobenzene	10.080	112	313619	46.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	116012	49.226	ug/l	99
67) Ethyl Benzene	10.195	91	556983	46.705	ug/l	99
68) m/p-Xylenes	10.299	106	425006	93.939	ug/l	96
69) o-Xylene	10.640	106	211804	46.587	ug/l	97
70) Styrene	10.653	104	358170	48.757	ug/l	98
71) Bromoform	10.799	173	84734	51.915	ug/l #	98
73) Isopropylbenzene	10.964	105	529702	45.534	ug/l	98
74) N-amyl acetate	10.842	43	258015	50.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	193625	48.657	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	164209m	45.480	ug/l	
77) Bromobenzene	11.201	156	129987	45.185	ug/l	96
78) n-propylbenzene	11.305	91	614661	46.814	ug/l	98
79) 2-Chlorotoluene	11.366	91	389869	45.594	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	458378	46.735	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	53841	50.228	ug/l	95
82) 4-Chlorotoluene	11.451	91	452254	46.081	ug/l	98
83) tert-Butylbenzene	11.713	119	436717	46.607	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	466169	46.313	ug/l	98
85) sec-Butylbenzene	11.890	105	524789	47.218	ug/l	99
86) p-Isopropyltoluene	12.006	119	449790	47.335	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	246630	46.801	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	248516	44.767	ug/l	99
89) n-Butylbenzene	12.329	91	380073	47.345	ug/l	99
90) Hexachloroethane	12.536	117	71547	47.482	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	249182	47.501	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44005	53.584	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	142131	46.558	ug/l	99
94) Hexachlorobutadiene	13.725	225	51824	44.626	ug/l	97
95) Naphthalene	13.774	128	527126	49.610	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	139877	46.450	ug/l	99

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

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