

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034447.D
 Acq On : 13 Mar 2023 20:54
 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 03/14/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 02:31:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	286028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	499215	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	467369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	243087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	177920	42.758	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.520%		
35) Dibromofluoromethane	5.385	113	138058	41.886	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	83.780%		
50) Toluene-d8	8.647	98	524153	42.599	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	85.200%#		
62) 4-Bromofluorobenzene	11.079	95	214620	43.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	120054	45.023	ug/l	98
3) Chloromethane	1.307	50	183215	45.234	ug/l	100
4) Vinyl Chloride	1.374	62	169434	46.666	ug/l	99
5) Bromomethane	1.599	94	88829	48.490	ug/l	95
6) Chloroethane	1.678	64	105584	50.506	ug/l	100
7) Trichlorofluoromethane	1.886	101	263385	48.278	ug/l	99
8) Diethyl Ether	2.130	74	101013	50.721	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	144318	45.391	ug/l	99
10) Methyl Iodide	2.453	142	208192	49.875	ug/l	100
11) Tert butyl alcohol	2.959	59	211818	244.446	ug/l	100
12) 1,1-Dichloroethene	2.319	96	141292	45.123	ug/l	98
13) Acrolein	2.233	56	172673	251.892	ug/l	100
14) Allyl chloride	2.660	41	284277	44.781	ug/l	99
15) Acrylonitrile	3.062	53	474078	253.267	ug/l	100
16) Acetone	2.373	43	404472	206.353	ug/l	100
17) Carbon Disulfide	2.508	76	362940	41.187	ug/l	100
18) Methyl Acetate	2.703	43	314934	49.173	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	532957	47.537	ug/l	100
20) Methylene Chloride	2.788	84	171815	45.165	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	155627	46.800	ug/l	96
22) Diisopropyl ether	3.757	45	596216	49.260	ug/l	98
23) Vinyl Acetate	3.721	43	2309076	250.673	ug/l	100
24) 1,1-Dichloroethane	3.605	63	305121	46.897	ug/l	100
25) 2-Butanone	4.550	43	681640	243.041	ug/l	99
26) 2,2-Dichloropropane	4.477	77	237245	41.950	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	188729	47.145	ug/l	99
28) Bromochloromethane	4.897	49	152136	50.290	ug/l	99
29) Tetrahydrofuran	5.001	42	449764	259.886	ug/l	100
30) Chloroform	5.092	83	315689	49.499	ug/l	97
31) Cyclohexane	5.470	56	265597	45.512	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	266672	47.233	ug/l	99
36) 1,1-Dichloropropene	5.690	75	222379	43.927	ug/l	99
37) Ethyl Acetate	4.715	43	265491	48.004	ug/l	100
38) Carbon Tetrachloride	5.678	117	224706	44.617	ug/l	97
39) Methylcyclohexane	7.379	83	256598	42.354	ug/l	95
40) Benzene	6.037	78	689648	46.567	ug/l	100

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41) Methacrylonitrile	4.916	41	150064	49.510	ug/l	99
42) 1,2-Dichloroethane	6.086	62	261970	48.131	ug/l	100
43) Isopropyl Acetate	6.336	43	453538	48.407	ug/l	100
44) Trichloroethene	7.123	130	174094	45.243	ug/l	100
45) 1,2-Dichloropropane	7.427	63	183847	47.543	ug/l	99
46) Dibromomethane	7.580	93	124732	47.446	ug/l	99
47) Bromodichloromethane	7.824	83	246339	48.416	ug/l	98
48) Methyl methacrylate	7.690	41	220643	48.965	ug/l	99
49) 1,4-Dioxane	7.659	88	103392	1092.405	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1405929	258.670	ug/l	99
52) Toluene	8.720	92	442597	48.272	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	278561	48.597	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	293264	47.289	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	181432	49.860	ug/l	98
56) Ethyl methacrylate	9.116	69	299188	50.077	ug/l	99
57) 1,3-Dichloropropane	9.305	76	316198	48.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	742795	241.245	ug/l	100
59) 2-Hexanone	9.427	43	1086456	258.586	ug/l	100
60) Dibromochloromethane	9.519	129	193428	50.684	ug/l	98
61) 1,2-Dibromoethane	9.610	107	193501	49.279	ug/l	100
64) Tetrachloroethene	9.275	164	138883	44.237	ug/l	99
65) Chlorobenzene	10.079	112	472843	46.111	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	176005	47.126	ug/l	99
67) Ethyl Benzene	10.195	91	852980	46.464	ug/l	100
68) m/p-Xylenes	10.299	106	650457	92.237	ug/l	100
69) o-Xylene	10.640	106	325966	46.060	ug/l	99
70) Styrene	10.652	104	549526	48.128	ug/l	99
71) Bromoform	10.799	173	140613	48.911	ug/l	99
73) Isopropylbenzene	10.963	105	837889	44.598	ug/l	100
74) N-amyl acetate	10.841	43	438313	48.708	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	303385	48.392	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	250878m	44.948	ug/l	
77) Bromobenzene	11.195	156	205342	45.555	ug/l	100
78) n-propylbenzene	11.305	91	983188	45.313	ug/l	100
79) 2-Chlorotoluene	11.366	91	615708	45.947	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	718374	45.586	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	93889	45.507	ug/l	97
82) 4-Chlorotoluene	11.451	91	714635	46.299	ug/l	100
83) tert-Butylbenzene	11.713	119	709439	44.651	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	735321	45.657	ug/l	99
85) sec-Butylbenzene	11.890	105	866173	44.592	ug/l	99
86) p-Isopropyltoluene	12.006	119	732445	44.866	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	392822	44.477	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	394733	44.201	ug/l	99
89) n-Butylbenzene	12.329	91	640043	44.102	ug/l	99
90) Hexachloroethane	12.536	117	138292	45.781	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	392280	45.960	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	69495	48.789	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	233976	43.837	ug/l	100
94) Hexachlorobutadiene	13.725	225	90361	42.023	ug/l	99
95) Naphthalene	13.774	128	834020	46.598	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	231809	44.430	ug/l	98

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

