

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022023\
 Data File : VX034173.D
 Acq On : 20 Feb 2023 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2023
 Supervised By : Mahesh Dadoda 02/21/2023

Quant Time: Feb 21 01:02:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	466246	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	767731	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	657208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	310918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	313275	49.891	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.780%		
35) Dibromofluoromethane	5.385	113	249422	49.898	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.800%		
50) Toluene-d8	8.647	98	892794	49.746	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.500%		
62) 4-Bromofluorobenzene	11.079	95	344685	50.210	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	200418	49.745	ug/l	99
3) Chloromethane	1.294	50	259240	44.714	ug/l	98
4) Vinyl Chloride	1.374	62	265165	50.220	ug/l	99
5) Bromomethane	1.611	94	107927	54.518	ug/l	99
6) Chloroethane	1.685	64	141916	53.463	ug/l	100
7) Trichlorofluoromethane	1.886	101	364018	50.959	ug/l	100
8) Diethyl Ether	2.130	74	139029	48.309	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	242355	48.175	ug/l	94
10) Methyl Iodide	2.453	142	305395	49.858	ug/l	94
11) Tert butyl alcohol	2.953	59	286675	204.122	ug/l	# 82
12) 1,1-Dichloroethene	2.319	96	243618	48.308	ug/l	97
13) Acrolein	2.233	56	141470	220.669	ug/l	99
14) Allyl chloride	2.666	41	510454	47.718	ug/l	91
15) Acrylonitrile	3.056	53	714514	233.212	ug/l	99
16) Acetone	2.373	43	951355	293.706	ug/l	93
17) Carbon Disulfide	2.514	76	696096	48.010	ug/l	98
18) Methyl Acetate	2.697	43	480987	47.990	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	873036	49.051	ug/l	98
20) Methylene Chloride	2.788	84	269703	46.211	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	259759	49.157	ug/l	96
22) Diisopropyl ether	3.757	45	892688	47.600	ug/l	93
23) Vinyl Acetate	3.715	43	3533213	235.149	ug/l	99
24) 1,1-Dichloroethane	3.605	63	501959	48.755	ug/l	98
25) 2-Butanone	4.550	43	1151666	245.728	ug/l	98
26) 2,2-Dichloropropane	4.471	77	455704	48.860	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	302345	48.317	ug/l	93
28) Bromochloromethane	4.897	49	224066	48.787	ug/l	86
29) Tetrahydrofuran	4.995	42	625683	218.838	ug/l	100
30) Chloroform	5.092	83	482492	48.805	ug/l	99
31) Cyclohexane	5.470	56	443047	47.259	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	434529	49.031	ug/l	99
36) 1,1-Dichloropropene	5.690	75	371134	50.204	ug/l	97
37) Ethyl Acetate	4.702	43	395239	47.839	ug/l	99
38) Carbon Tetrachloride	5.672	117	385899	50.729	ug/l	97
39) Methylcyclohexane	7.379	83	462477	48.613	ug/l	97
40) Benzene	6.037	78	1060349	48.401	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	221148	48.043	ug/l	99
42) 1,2-Dichloroethane	6.086	62	384295	49.876	ug/l	98
43) Isopropyl Acetate	6.330	43	683824	46.903	ug/l	98
44) Trichloroethene	7.123	130	280900	49.965	ug/l	91
45) 1,2-Dichloropropane	7.427	63	285584	48.969	ug/l	98
46) Dibromomethane	7.574	93	189250	49.308	ug/l #	86
47) Bromodichloromethane	7.818	83	396186	50.298	ug/l	98
48) Methyl methacrylate	7.690	41	329323	47.591	ug/l	98
49) 1,4-Dioxane	7.665	88	115721	838.406	ug/l #	98
51) 4-Methyl-2-Pentanone	8.567	43	1855330	231.300	ug/l	100
52) Toluene	8.714	92	645886	48.656	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	450414	49.678	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	483056	49.767	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	262823	49.052	ug/l	98
56) Ethyl methacrylate	9.116	69	440386	48.585	ug/l	97
57) 1,3-Dichloropropane	9.305	76	459818	49.325	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	935301	238.202	ug/l	95
59) 2-Hexanone	9.427	43	1467725	240.096	ug/l	99
60) Dibromochloromethane	9.519	129	295061	49.838	ug/l	99
61) 1,2-Dibromoethane	9.610	107	276299	48.758	ug/l	99
64) Tetrachloroethene	9.275	164	229322	49.440	ug/l	94
65) Chlorobenzene	10.079	112	674659	49.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	263625	49.709	ug/l	98
67) Ethyl Benzene	10.195	91	1232404	50.074	ug/l	100
68) m/p-Xylenes	10.299	106	933945	99.159	ug/l	96
69) o-Xylene	10.640	106	460459	49.107	ug/l	95
70) Styrene	10.652	104	756843	49.629	ug/l	95
71) Bromoform	10.799	173	214372	49.521	ug/l #	99
73) Isopropylbenzene	10.963	105	1185050	50.011	ug/l	100
74) N-amyl acetate	10.841	43	558347	46.902	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	377383	46.564	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	371629m	47.501	ug/l	
77) Bromobenzene	11.195	156	283603	49.734	ug/l	84
78) n-propylbenzene	11.305	91	1398355	50.741	ug/l	98
79) 2-Chlorotoluene	11.366	91	832215	49.248	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	983040	49.343	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	144289	47.378	ug/l	90
82) 4-Chlorotoluene	11.451	91	952837	49.506	ug/l	96
83) tert-Butylbenzene	11.713	119	1007638	49.384	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	987732	49.035	ug/l	97
85) sec-Butylbenzene	11.890	105	1238313	49.976	ug/l	98
86) p-Isopropyltoluene	12.012	119	1033467	50.397	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	527014	49.279	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	528439	48.989	ug/l	97
89) n-Butylbenzene	12.329	91	930198	50.930	ug/l	98
90) Hexachloroethane	12.536	117	213078	49.697	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	510791	48.816	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	89263	46.186	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	342517	50.987	ug/l	98
94) Hexachlorobutadiene	13.725	225	140426	50.425	ug/l	98
95) Naphthalene	13.774	128	1109584	49.031	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	335462	50.300	ug/l	98

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

