

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040523\
 Data File : VX034946.D
 Acq On : 05 Apr 2023 16:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 02:12:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	293121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	480947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	433698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	218402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	231903	51.731	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.460%			
35) Dibromofluoromethane	5.379	113	170106	53.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.940%			
50) Toluene-d8	8.647	98	622660	53.030	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.060%			
62) 4-Bromofluorobenzene	11.079	95	251440	55.338	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	159820	54.666	ug/l	98
3) Chloromethane	1.294	50	178709	48.822	ug/l	100
4) Vinyl Chloride	1.374	62	182962	50.481	ug/l	99
5) Bromomethane	1.611	94	91440	38.826	ug/l	98
6) Chloroethane	1.685	64	112185	47.575	ug/l	99
7) Trichlorofluoromethane	1.886	101	268402	46.065	ug/l	97
8) Diethyl Ether	2.130	74	103090	50.187	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	159206	52.278	ug/l	98
10) Methyl Iodide	2.453	142	177433	46.786	ug/l	92
11) Tert butyl alcohol	2.965	59	192524m	244.776	ug/l	
12) 1,1-Dichloroethene	2.319	96	147307	48.952	ug/l	94
13) Acrolein	2.233	56	185702	229.357	ug/l	100
14) Allyl chloride	2.660	41	300170	50.916	ug/l	95
15) Acrylonitrile	3.056	53	451270	254.891	ug/l	98
16) Acetone	2.380	43	431693	237.052	ug/l	96
17) Carbon Disulfide	2.508	76	364346	48.344	ug/l	100
18) Methyl Acetate	2.697	43	343141	53.032	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	567230	50.912	ug/l	96
20) Methylene Chloride	2.788	84	169722	47.229	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	161664	49.259	ug/l	94
22) Diisopropyl ether	3.751	45	600199	50.456	ug/l	98
23) Vinyl Acetate	3.715	43	2230302	262.894	ug/l	99
24) 1,1-Dichloroethane	3.605	63	321832	50.284	ug/l	98
25) 2-Butanone	4.544	43	658968	248.760	ug/l	99
26) 2,2-Dichloropropane	4.471	77	265488	50.441	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	191605	49.271	ug/l	96
28) Bromochloromethane	4.891	49	155075	49.532	ug/l	100
29) Tetrahydrofuran	4.995	42	423239	255.041	ug/l	98
30) Chloroform	5.086	83	329717	50.720	ug/l	99
31) Cyclohexane	5.464	56	279875	51.272	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	295478	53.264	ug/l	100
36) 1,1-Dichloropropene	5.684	75	243925	51.758	ug/l	99
37) Ethyl Acetate	4.702	43	257927	52.340	ug/l	100
38) Carbon Tetrachloride	5.672	117	252971	56.933	ug/l	99
39) Methylcyclohexane	7.379	83	259244	51.802	ug/l	96
40) Benzene	6.031	78	680178	50.277	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	151223	56.427	ug/l	96
42) 1,2-Dichloroethane	6.080	62	282522	52.527	ug/l	97
43) Isopropyl Acetate	6.330	43	439760	53.340	ug/l	99
44) Trichloroethene	7.123	130	178767	51.765	ug/l	98
45) 1,2-Dichloropropane	7.428	63	181724	51.547	ug/l	97
46) Dibromomethane	7.574	93	124338	51.260	ug/l	100
47) Bromodichloromethane	7.818	83	252656	56.390	ug/l	98
48) Methyl methacrylate	7.690	41	220367	54.427	ug/l	98
49) 1,4-Dioxane	7.671	88	86058	1031.390	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	1303504	267.148	ug/l	99
52) Toluene	8.714	92	438990	49.767	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	274956	57.045	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	294606	55.852	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	174586	52.294	ug/l	98
56) Ethyl methacrylate	9.116	69	286244	54.723	ug/l	99
57) 1,3-Dichloropropane	9.305	76	309661	52.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	729490	273.896	ug/l	99
59) 2-Hexanone	9.427	43	982110	266.117	ug/l	99
60) Dibromochloromethane	9.519	129	185809	58.425	ug/l	99
61) 1,2-Dibromoethane	9.610	107	182581	52.593	ug/l	100
64) Tetrachloroethene	9.269	164	151298	48.747	ug/l	96
65) Chlorobenzene	10.079	112	458251	50.784	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	173865	56.034	ug/l	99
67) Ethyl Benzene	10.189	91	847744	51.860	ug/l	97
68) m/p-Xylenes	10.299	106	638379	102.234	ug/l	97
69) o-Xylene	10.640	106	315416	51.563	ug/l	98
70) Styrene	10.653	104	524591	53.721	ug/l	99
71) Bromoform	10.799	173	124195	58.850	ug/l #	98
73) Isopropylbenzene	10.963	105	823239	51.459	ug/l	99
74) N-amyl acetate	10.842	43	382314	53.151	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	260823	49.744	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	225348m	51.208	ug/l	
77) Bromobenzene	11.195	156	194101	48.966	ug/l	99
78) n-propylbenzene	11.305	91	953042	51.569	ug/l	100
79) 2-Chlorotoluene	11.360	91	593022	50.823	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	692256	51.753	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	76457	52.069	ug/l	93
82) 4-Chlorotoluene	11.451	91	690139	50.932	ug/l	100
83) tert-Butylbenzene	11.713	119	662849	52.772	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	698661	51.362	ug/l	98
85) sec-Butylbenzene	11.890	105	800628	52.394	ug/l	100
86) p-Isopropyltoluene	12.006	119	687512	53.957	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	371624	51.478	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	375666	49.824	ug/l	99
89) n-Butylbenzene	12.329	91	595272	53.471	ug/l	99
90) Hexachloroethane	12.536	117	111739	56.600	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	363908	50.333	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	61568	56.255	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	220994	54.043	ug/l	97
94) Hexachlorobutadiene	13.725	225	89589	49.812	ug/l	99
95) Naphthalene	13.774	128	776776	53.460	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	222528	53.962	ug/l	97

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

