

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035034.D
 Acq On : 12 Apr 2023 10:11
 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 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 02:28:32 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	5.550	168	295249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	485432	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	214112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	195408	43.276	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.560%		
35) Dibromofluoromethane	5.385	113	150330	46.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.640%		
50) Toluene-d8	8.647	98	549714	46.385	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.780%		
62) 4-Bromofluorobenzene	11.079	95	218395	47.622	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	160823	54.613	ug/l	99
3) Chloromethane	1.294	50	177374	48.108	ug/l	98
4) Vinyl Chloride	1.374	62	181633	49.754	ug/l	97
5) Bromomethane	1.617	94	114880	48.427	ug/l	96
6) Chloroethane	1.691	64	108357	45.620	ug/l	99
7) Trichlorofluoromethane	1.886	101	258609	44.064	ug/l	98
8) Diethyl Ether	2.130	74	104346	50.432	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	170412	55.554	ug/l	99
10) Methyl Iodide	2.453	142	190002	49.739	ug/l	93
11) Tert butyl alcohol	3.007	59	178461m	225.260	ug/l	
12) 1,1-Dichloroethene	2.318	96	155870	51.424	ug/l	96
13) Acrolein	2.239	56	245282	300.760	ug/l	100
14) Allyl chloride	2.666	41	311480	52.453	ug/l	99
15) Acrylonitrile	3.068	53	485694	272.358	ug/l	99
16) Acetone	2.398	43	514110	280.274	ug/l	99
17) Carbon Disulfide	2.514	76	363680	47.908	ug/l	99
18) Methyl Acetate	2.703	43	356265	54.664	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	593199	52.859	ug/l	98
20) Methylene Chloride	2.788	84	182620	50.452	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	170732	51.647	ug/l	98
22) Diisopropyl ether	3.757	45	632203	52.764	ug/l	92
23) Vinyl Acetate	3.721	43	2317662	271.222	ug/l	99
24) 1,1-Dichloroethane	3.605	63	339181	52.613	ug/l	99
25) 2-Butanone	4.562	43	711219	266.549	ug/l	98
26) 2,2-Dichloropropane	4.471	77	279529	52.726	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	204570	52.226	ug/l	99
28) Bromochloromethane	4.897	49	152750	48.437	ug/l	98
29) Tetrahydrofuran	5.007	42	439896	263.168	ug/l	98
30) Chloroform	5.092	83	344362	52.591	ug/l	99
31) Cyclohexane	5.464	56	289763	52.701	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	301103	53.887	ug/l	99
36) 1,1-Dichloropropene	5.690	75	253179	53.225	ug/l	99
37) Ethyl Acetate	4.708	43	267728	53.827	ug/l	99
38) Carbon Tetrachloride	5.672	117	257562	57.431	ug/l	99
39) Methylcyclohexane	7.379	83	281481	55.725	ug/l	97
40) Benzene	6.037	78	732355	53.633	ug/l	99

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 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)
41) Methacrylonitrile	4.916	41	151620m	56.053	ug/l	
42) 1,2-Dichloroethane	6.086	62	283400	52.204	ug/l	99
43) Isopropyl Acetate	6.336	43	455661	54.758	ug/l	99
44) Trichloroethene	7.123	130	192753	55.299	ug/l	99
45) 1,2-Dichloropropane	7.427	63	194770	54.737	ug/l	100
46) Dibromomethane	7.580	93	130257	53.204	ug/l	99
47) Bromodichloromethane	7.818	83	262587	58.065	ug/l	96
48) Methyl methacrylate	7.689	41	224119	54.843	ug/l	98
49) 1,4-Dioxane	7.726	88	80025	950.225	ug/l #	78
51) 4-Methyl-2-Pentanone	8.573	43	1353422	274.816	ug/l	100
52) Toluene	8.714	92	470233	52.816	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	287913	59.181	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	314486	59.070	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	189611	56.270	ug/l	99
56) Ethyl methacrylate	9.116	69	302510	57.298	ug/l	98
57) 1,3-Dichloropropane	9.305	76	327967	54.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	724585	269.540	ug/l	98
59) 2-Hexanone	9.427	43	1036903	278.368	ug/l	99
60) Dibromochloromethane	9.518	129	194076	60.461	ug/l	99
61) 1,2-Dibromoethane	9.610	107	194201	55.423	ug/l	99
64) Tetrachloroethene	9.275	164	163768	52.809	ug/l	99
65) Chlorobenzene	10.079	112	496215	55.037	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	185304	59.770	ug/l	99
67) Ethyl Benzene	10.195	91	903488	55.316	ug/l	100
68) m/p-Xylenes	10.299	106	696366	111.613	ug/l	99
69) o-Xylene	10.640	106	340693	55.741	ug/l	100
70) Styrene	10.652	104	567482	58.162	ug/l	99
71) Bromoform	10.799	173	133340	63.236	ug/l #	100
73) Isopropylbenzene	10.963	105	884894	56.421	ug/l	100
74) N-amyl acetate	10.841	43	394709	55.974	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	280772	54.621	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	200320m	46.433	ug/l	
77) Bromobenzene	11.195	156	209255	53.846	ug/l	99
78) n-propylbenzene	11.305	91	1018588	56.220	ug/l	100
79) 2-Chlorotoluene	11.366	91	626362	54.755	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	741104	56.515	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	81395	56.542	ug/l	94
82) 4-Chlorotoluene	11.451	91	737033	55.483	ug/l	100
83) tert-Butylbenzene	11.713	119	715210	58.081	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	746186	55.955	ug/l	99
85) sec-Butylbenzene	11.890	105	868762	57.992	ug/l	100
86) p-Isopropyltoluene	12.006	119	746766	59.781	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	404060	57.093	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	401442	54.309	ug/l	99
89) n-Butylbenzene	12.329	91	646898	59.273	ug/l	99
90) Hexachloroethane	12.536	117	121609	62.834	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	399106	56.307	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62748	58.481	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	242363	60.456	ug/l	99
94) Hexachlorobutadiene	13.725	225	103304	58.588	ug/l	98
95) Naphthalene	13.774	128	821732	57.687	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	235935	58.360	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

