

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035052.D
 Acq On : 12 Apr 2023 17:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 02:38:41 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	5.556	168	297948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	505343	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	453329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	219991	48.279	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.560%			
35) Dibromofluoromethane	5.385	113	172301	51.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	8.653	98	627003	50.822	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.640%			
62) 4-Bromofluorobenzene	11.079	95	244477	51.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	150540	50.658	ug/l	99
3) Chloromethane	1.301	50	165712	44.538	ug/l	98
4) Vinyl Chloride	1.374	62	172320	46.775	ug/l	99
5) Bromomethane	1.618	94	99358	41.504	ug/l	98
6) Chloroethane	1.691	64	97069	40.498	ug/l	97
7) Trichlorofluoromethane	1.886	101	247827	41.845	ug/l	100
8) Diethyl Ether	2.130	74	103253	49.452	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	161168	52.064	ug/l	99
10) Methyl Iodide	2.453	142	189929	49.269	ug/l	95
11) Tert butyl alcohol	3.001	59	195582	244.635	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	150751	49.285	ug/l	95
13) Acrolein	2.239	56	259798	315.674	ug/l	99
14) Allyl chloride	2.666	41	304383	50.794	ug/l	97
15) Acrylonitrile	3.068	53	498666	277.099	ug/l	99
16) Acetone	2.392	43	467610	252.615	ug/l	99
17) Carbon Disulfide	2.514	76	316671	41.337	ug/l	98
18) Methyl Acetate	2.703	43	370714	56.365	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	602857	53.233	ug/l	99
20) Methylene Chloride	2.788	84	182236	49.890	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	166715	49.975	ug/l	98
22) Diisopropyl ether	3.757	45	626380	51.804	ug/l	99
23) Vinyl Acetate	3.721	43	2299536	266.663	ug/l	99
24) 1,1-Dichloroethane	3.611	63	334481	51.414	ug/l	100
25) 2-Butanone	4.562	43	714471	265.342	ug/l	97
26) 2,2-Dichloropropane	4.477	77	262800	49.121	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	202373	51.197	ug/l	100
28) Bromochloromethane	4.897	49	156145	49.065	ug/l	96
29) Tetrahydrofuran	5.013	42	458114	271.584	ug/l	100
30) Chloroform	5.093	83	336754	50.963	ug/l	97
31) Cyclohexane	5.471	56	273353	49.266	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	291059	51.617	ug/l	98
36) 1,1-Dichloropropene	5.690	75	243044	49.081	ug/l	99
37) Ethyl Acetate	4.715	43	281461	54.359	ug/l	98
38) Carbon Tetrachloride	5.684	117	241779	51.787	ug/l	97
39) Methylcyclohexane	7.379	83	248627	47.282	ug/l	96
40) Benzene	6.037	78	717912	50.504	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	156571m	55.602	ug/l	
42) 1,2-Dichloroethane	6.086	62	279463	49.450	ug/l	100
43) Isopropyl Acetate	6.342	43	470821	54.351	ug/l	99
44) Trichloroethene	7.129	130	191433	52.756	ug/l	100
45) 1,2-Dichloropropane	7.434	63	193958	52.362	ug/l	100
46) Dibromomethane	7.580	93	129119	50.661	ug/l	97
47) Bromodichloromethane	7.824	83	247608	52.596	ug/l	95
48) Methyl methacrylate	7.696	41	235013	55.243	ug/l	98
49) 1,4-Dioxane	7.708	88	84584	964.786	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1418300	276.642	ug/l	99
52) Toluene	8.720	92	460965	49.735	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	274486	54.198	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	302726	54.620	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	188641	53.776	ug/l	100
56) Ethyl methacrylate	9.116	69	313451	57.031	ug/l	96
57) 1,3-Dichloropropane	9.311	76	328736	52.916	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	766831	274.016	ug/l	98
59) 2-Hexanone	9.433	43	1063491	274.256	ug/l	98
60) Dibromochloromethane	9.519	129	184818	55.308	ug/l	99
61) 1,2-Dibromoethane	9.610	107	196096	53.759	ug/l	99
64) Tetrachloroethene	9.275	164	158366	48.815	ug/l	97
65) Chlorobenzene	10.079	112	490776	52.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	180783	55.741	ug/l	99
67) Ethyl Benzene	10.195	91	884019	51.737	ug/l	99
68) m/p-Xylenes	10.299	106	666750	102.153	ug/l	99
69) o-Xylene	10.640	106	331609	51.862	ug/l	99
70) Styrene	10.653	104	557569	54.626	ug/l	98
71) Bromoform	10.799	173	126061	57.148	ug/l #	100
73) Isopropylbenzene	10.963	105	850669	53.206	ug/l	100
74) N-amyl acetate	10.842	43	408676	56.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	286185	54.615	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	194944m	44.326	ug/l	
77) Bromobenzene	11.201	156	208789	52.704	ug/l	97
78) n-propylbenzene	11.305	91	947538	51.303	ug/l	100
79) 2-Chlorotoluene	11.366	91	605096	51.889	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	700309	52.388	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	79029	53.854	ug/l	95
82) 4-Chlorotoluene	11.457	91	691302	51.050	ug/l	99
83) tert-Butylbenzene	11.713	119	664066	52.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	704440	51.819	ug/l	100
85) sec-Butylbenzene	11.890	105	790191	51.743	ug/l	100
86) p-Isopropyltoluene	12.012	119	672880	52.841	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	386920	53.630	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	388949	51.618	ug/l	100
89) n-Butylbenzene	12.335	91	576414	51.809	ug/l	100
90) Hexachloroethane	12.542	117	103233	52.324	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	386709	53.519	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	63721	58.258	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	228119	55.820	ug/l	99
94) Hexachlorobutadiene	13.725	225	90204	50.184	ug/l	98
95) Naphthalene	13.774	128	861152	59.303	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	227881	55.295	ug/l	99

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

