

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050223\
 Data File : VX035494.D
 Acq On : 02 May 2023 21:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 03 03:19:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	203492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	338901	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	127499	51.934	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.860%			
35) Dibromofluoromethane	5.385	113	105200	50.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	8.647	98	380616	48.506	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.020%			
62) 4-Bromofluorobenzene	11.079	95	148682	50.370	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	101088	46.948	ug/l	99
3) Chloromethane	1.294	50	90528	46.217	ug/l	99
4) Vinyl Chloride	1.374	62	91148	46.396	ug/l	100
5) Bromomethane	1.618	94	56684	43.411	ug/l	99
6) Chloroethane	1.691	64	51337	44.680	ug/l	98
7) Trichlorofluoromethane	1.886	101	145167	47.252	ug/l	100
8) Diethyl Ether	2.130	74	57903	51.692	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	96419	46.989	ug/l	94
10) Methyl Iodide	2.453	142	113855	43.965	ug/l	97
11) Tert butyl alcohol	2.995	59	123817	276.990	ug/l	95
12) 1,1-Dichloroethene	2.319	96	93001	47.056	ug/l	98
13) Acrolein	2.239	56	124392	282.965	ug/l	99
14) Allyl chloride	2.666	41	168813	48.536	ug/l	98
15) Acrylonitrile	3.062	53	307915	275.413	ug/l	99
16) Acetone	2.386	43	256114	240.200	ug/l	100
17) Carbon Disulfide	2.514	76	205149	43.299	ug/l	98
18) Methyl Acetate	2.703	43	236144	57.272	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	391520	57.742	ug/l	96
20) Methylene Chloride	2.788	84	119819	49.009	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	104866	48.854	ug/l	94
22) Diisopropyl ether	3.757	45	363066	52.750	ug/l	94
23) Vinyl Acetate	3.721	43	1325856	280.250	ug/l	97
24) 1,1-Dichloroethane	3.611	63	204857	52.841	ug/l	99
25) 2-Butanone	4.556	43	411932	264.686	ug/l	95
26) 2,2-Dichloropropane	4.477	77	152862	50.329	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	132482	52.506	ug/l	93
28) Bromochloromethane	4.897	49	84821	51.340	ug/l #	83
29) Tetrahydrofuran	5.007	42	268238	268.866	ug/l	93
30) Chloroform	5.099	83	218443	55.815	ug/l	100
31) Cyclohexane	5.470	56	156106	44.825	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	183968	53.637	ug/l	96
36) 1,1-Dichloropropene	5.696	75	147271	45.343	ug/l	98
37) Ethyl Acetate	4.708	43	160253	54.022	ug/l #	95
38) Carbon Tetrachloride	5.678	117	154051	49.963	ug/l	99
39) Methylcyclohexane	7.379	83	165652	41.900	ug/l	97
40) Benzene	6.037	78	465494	49.961	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	96023	56.492	ug/l	97
42) 1,2-Dichloroethane	6.086	62	175786	52.915	ug/l	97
43) Isopropyl Acetate	6.336	43	286152	57.408	ug/l	95
44) Trichloroethene	7.123	130	131586	51.266	ug/l	92
45) 1,2-Dichloropropane	7.427	63	126561	53.879	ug/l	99
46) Dibromomethane	7.580	93	88436	54.825	ug/l	91
47) Bromodichloromethane	7.824	83	170079	57.227	ug/l	98
48) Methyl methacrylate	7.690	41	143243	58.584	ug/l	92
49) 1,4-Dioxane	7.696	88	56753	952.244	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	867541	283.294	ug/l	95
52) Toluene	8.720	92	302518	51.223	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	184883	59.567	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	200533	57.161	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	131239	55.742	ug/l	96
56) Ethyl methacrylate	9.116	69	206264	58.811	ug/l	90
57) 1,3-Dichloropropane	9.305	76	218756	54.322	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	522686	298.051	ug/l	94
59) 2-Hexanone	9.427	43	640156	278.259	ug/l	94
60) Dibromochloromethane	9.519	129	135764	60.185	ug/l	99
61) 1,2-Dibromoethane	9.610	107	135909	55.996	ug/l	98
64) Tetrachloroethene	9.275	164	107854	46.376	ug/l	99
65) Chlorobenzene	10.079	112	333044	50.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	128330	56.112	ug/l	97
67) Ethyl Benzene	10.195	91	571662	50.232	ug/l	100
68) m/p-Xylenes	10.299	106	445438	102.147	ug/l	98
69) o-Xylene	10.640	106	222462	52.024	ug/l	100
70) Styrene	10.652	104	379081	54.675	ug/l	97
71) Bromoform	10.799	173	99954	62.833	ug/l #	99
73) Isopropylbenzene	10.963	105	565005	52.499	ug/l	99
74) N-amyl acetate	10.841	43	246893	61.044	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	195795	58.614	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	159088m	54.169	ug/l	
77) Bromobenzene	11.195	156	149310	55.812	ug/l	91
78) n-propylbenzene	11.305	91	631068	51.056	ug/l	99
79) 2-Chlorotoluene	11.366	91	403376	52.226	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	481135	53.020	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	53698	59.219	ug/l	99
82) 4-Chlorotoluene	11.457	91	460210	53.051	ug/l	98
83) tert-Butylbenzene	11.713	119	468485	51.453	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	489006	53.631	ug/l	100
85) sec-Butylbenzene	11.890	105	541206	48.458	ug/l	100
86) p-Isopropyltoluene	12.006	119	477232	50.241	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	271267	53.356	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	272491	51.119	ug/l	99
89) n-Butylbenzene	12.329	91	381508	47.578	ug/l	98
90) Hexachloroethane	12.536	117	77235	53.117	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	270069	53.112	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	41729	62.299	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	165051	51.639	ug/l	98
94) Hexachlorobutadiene	13.725	225	61292	43.694	ug/l	99
95) Naphthalene	13.774	128	591349	60.099	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	163536	50.827	ug/l	99

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

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