

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062423\
 Data File : VX036322.D
 Acq On : 24 Jun 2023 19:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 26 03:29:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/26/2023
 Supervised By : Mahesh Dadoda 06/26/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	201081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	369218	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	336378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157052	54.487	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.980%			
35) Dibromofluoromethane	5.391	113	121222	49.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.580%			
50) Toluene-d8	8.647	98	446740	49.131	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.260%			
62) 4-Bromofluorobenzene	11.079	95	158132	49.373	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	89182	46.847	ug/l	98
3) Chloromethane	1.294	50	151743	45.949	ug/l	97
4) Vinyl Chloride	1.374	62	166551	46.131	ug/l	100
5) Bromomethane	1.618	94	125937	47.671	ug/l	97
6) Chloroethane	1.691	64	134377	50.699	ug/l	97
7) Trichlorofluoromethane	1.886	101	253405	46.166	ug/l	99
8) Diethyl Ether	2.136	74	110599	52.196	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	110184	47.830	ug/l	97
10) Methyl Iodide	2.453	142	142051	50.890	ug/l	93
11) Tert butyl alcohol	3.008	59	138049	263.116	ug/l	98
12) 1,1-Dichloroethene	2.319	96	111698	48.878	ug/l	93
13) Acrolein	2.239	56	181773	252.266	ug/l	99
14) Allyl chloride	2.666	41	196087	52.800	ug/l	98
15) Acrylonitrile	3.068	53	360897	271.374	ug/l	98
16) Acetone	2.398	43	305613	248.062	ug/l	94
17) Carbon Disulfide	2.514	76	262043	46.690	ug/l	100
18) Methyl Acetate	2.709	43	290490	57.338	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	411043	55.657	ug/l	99
20) Methylene Chloride	2.794	84	132094	49.797	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	120122	49.259	ug/l	96
22) Diisopropyl ether	3.757	45	412256	55.399	ug/l	96
23) Vinyl Acetate	3.721	43	1520395	281.532	ug/l	99
24) 1,1-Dichloroethane	3.611	63	232641	53.046	ug/l	99
25) 2-Butanone	4.562	43	484149	273.509	ug/l	96
26) 2,2-Dichloropropane	4.477	77	147178	47.317	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	142703	52.180	ug/l	94
28) Bromochloromethane	4.897	49	116804	51.353	ug/l	92
29) Tetrahydrofuran	5.013	42	309818	274.909	ug/l	95
30) Chloroform	5.093	83	235653	53.348	ug/l	99
31) Cyclohexane	5.471	56	180500	48.867	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	196919	53.369	ug/l	99
36) 1,1-Dichloropropene	5.696	75	164569	45.349	ug/l	98
37) Ethyl Acetate	4.715	43	196622	53.160	ug/l	98
38) Carbon Tetrachloride	5.678	117	161832	48.826	ug/l	98
39) Methylcyclohexane	7.385	83	193710	44.566	ug/l	93
40) Benzene	6.037	78	503313	49.649	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	105607	51.469	ug/l	93
42) 1,2-Dichloroethane	6.086	62	196455	50.950	ug/l	99
43) Isopropyl Acetate	6.336	43	318417	53.965	ug/l	98
44) Trichloroethene	7.129	130	130999	46.459	ug/l	98
45) 1,2-Dichloropropane	7.427	63	140719	50.968	ug/l	99
46) Dibromomethane	7.580	93	99002	50.941	ug/l	95
47) Bromodichloromethane	7.824	83	182218	51.847	ug/l	97
48) Methyl methacrylate	7.690	41	157962	53.693	ug/l	93
49) 1,4-Dioxane	7.708	88	57331	879.049	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	1013636	266.646	ug/l	98
52) Toluene	8.720	92	307606	47.880	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	190432	53.640	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	213381	53.169	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	137545	51.515	ug/l	95
56) Ethyl methacrylate	9.116	69	216233	54.144	ug/l	96
57) 1,3-Dichloropropane	9.311	76	231186	50.523	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	613477	273.339	ug/l	98
59) 2-Hexanone	9.433	43	744216	268.089	ug/l	98
60) Dibromochloromethane	9.519	129	136336	52.555	ug/l	100
61) 1,2-Dibromoethane	9.610	107	143955	50.804	ug/l	99
64) Tetrachloroethene	9.275	164	113070	47.606	ug/l	95
65) Chlorobenzene	10.079	112	348481	49.282	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	124585	52.125	ug/l	97
67) Ethyl Benzene	10.195	91	606329	48.232	ug/l	98
68) m/p-Xylenes	10.299	106	470049	96.241	ug/l	97
69) o-Xylene	10.640	106	234085	49.631	ug/l	98
70) Styrene	10.653	104	380352	49.253	ug/l	97
71) Bromoform	10.799	173	93037	54.270	ug/l #	99
73) Isopropylbenzene	10.963	105	579266	50.097	ug/l	98
74) N-amyl acetate	10.842	43	267412	58.469	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	202144	51.625	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	168490m	51.482	ug/l	
77) Bromobenzene	11.195	156	143300	50.401	ug/l	94
78) n-propylbenzene	11.305	91	672630	49.810	ug/l	100
79) 2-Chlorotoluene	11.366	91	402562	50.113	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	492490	50.294	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	55047	54.828	ug/l	95
82) 4-Chlorotoluene	11.451	91	467931	50.034	ug/l	97
83) tert-Butylbenzene	11.713	119	471473	50.239	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	492876	50.876	ug/l	97
85) sec-Butylbenzene	11.890	105	577985	48.616	ug/l	99
86) p-Isopropyltoluene	12.006	119	486061	48.715	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	255776	48.930	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	252673	47.470	ug/l	98
89) n-Butylbenzene	12.329	91	422229	47.550	ug/l	98
90) Hexachloroethane	12.536	117	76996	50.951	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	253384	49.228	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41281	55.505	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	158981	50.145	ug/l	96
94) Hexachlorobutadiene	13.725	225	54904	42.284	ug/l	98
95) Naphthalene	13.774	128	564276	53.874	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	161175	52.117	ug/l	98

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

