

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062823\
 Data File : VX036356.D
 Acq On : 28 Jun 2023 09:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/29/2023
 Supervised By : Mahesh Dadoda 06/29/2023

Quant Time: Jun 29 01:25:02 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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	220174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	378869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	163138	51.691	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.380%			
35) Dibromofluoromethane	5.385	113	128173	51.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	8.647	98	463169	49.640	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.280%			
62) 4-Bromofluorobenzene	11.079	95	167639	51.008	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	92764	44.503	ug/l	97
3) Chloromethane	1.294	50	146119	40.409	ug/l	99
4) Vinyl Chloride	1.374	62	158695	40.143	ug/l	98
5) Bromomethane	1.617	94	167588	57.936	ug/l	99
6) Chloroethane	1.691	64	124986	43.067	ug/l	96
7) Trichlorofluoromethane	1.886	101	277988	46.253	ug/l	98
8) Diethyl Ether	2.130	74	109806	47.328	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	120101	47.613	ug/l	96
10) Methyl Iodide	2.453	142	157583	51.558	ug/l	92
11) Tert butyl alcohol	3.038	59	156773m	272.891	ug/l	
12) 1,1-Dichloroethene	2.319	96	119285	47.672	ug/l	88
13) Acrolein	2.239	56	195672	248.006	ug/l	98
14) Allyl chloride	2.666	41	214064	52.642	ug/l	96
15) Acrylonitrile	3.068	53	361161	248.022	ug/l	99
16) Acetone	2.398	43	343603	254.713	ug/l	94
17) Carbon Disulfide	2.514	76	265685	43.233	ug/l	100
18) Methyl Acetate	2.709	43	280634	50.589	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	447976	55.398	ug/l	100
20) Methylene Chloride	2.788	84	143427	49.380	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	129395	48.460	ug/l	91
22) Diisopropyl ether	3.757	45	449367	55.149	ug/l	89
23) Vinyl Acetate	3.721	43	1631621	275.928	ug/l	97
24) 1,1-Dichloroethane	3.611	63	251630	52.400	ug/l	99
25) 2-Butanone	4.568	43	500082	258.011	ug/l	94
26) 2,2-Dichloropropane	4.471	77	202378	59.422	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	158498	52.929	ug/l	93
28) Bromochloromethane	4.897	49	122319	49.115	ug/l	88
29) Tetrahydrofuran	5.013	42	306578	248.444	ug/l	94
30) Chloroform	5.092	83	259067	53.563	ug/l	98
31) Cyclohexane	5.464	56	179619	44.412	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	213970	52.961	ug/l	99
36) 1,1-Dichloropropene	5.690	75	175932	47.245	ug/l	98
37) Ethyl Acetate	4.708	43	193144	50.889	ug/l	98
38) Carbon Tetrachloride	5.678	117	179487	52.774	ug/l	100
39) Methylcyclohexane	7.379	83	192095	43.069	ug/l	94
40) Benzene	6.037	78	540833	51.991	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	108676	51.616	ug/l	95
42) 1,2-Dichloroethane	6.086	62	213931	54.069	ug/l	99
43) Isopropyl Acetate	6.336	43	330576	54.599	ug/l	98
44) Trichloroethene	7.123	130	144546	49.958	ug/l	99
45) 1,2-Dichloropropane	7.427	63	151256	53.389	ug/l	98
46) Dibromomethane	7.580	93	105915	53.110	ug/l	93
47) Bromodichloromethane	7.818	83	200896	55.705	ug/l	95
48) Methyl methacrylate	7.690	41	161071	53.355	ug/l	93
49) 1,4-Dioxane	7.738	88	70338	1051.011	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	1004355	257.474	ug/l	98
52) Toluene	8.714	92	335127	50.835	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	222667	61.122	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	241140	58.555	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	147685	53.904	ug/l	95
56) Ethyl methacrylate	9.116	69	227286	55.462	ug/l	97
57) 1,3-Dichloropropane	9.305	76	250718	53.395	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	682341	296.277	ug/l	98
59) 2-Hexanone	9.433	43	750642	263.515	ug/l	97
60) Dibromochloromethane	9.519	129	151917	57.069	ug/l	99
61) 1,2-Dibromoethane	9.610	107	155797	53.583	ug/l	99
64) Tetrachloroethene	9.275	164	124754	50.423	ug/l	95
65) Chlorobenzene	10.079	112	377109	51.196	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	141154	56.693	ug/l	99
67) Ethyl Benzene	10.195	91	645378	49.283	ug/l	98
68) m/p-Xylenes	10.299	106	501054	98.482	ug/l	96
69) o-Xylene	10.640	106	252440	51.380	ug/l	96
70) Styrene	10.652	104	411523	51.156	ug/l	97
71) Bromoform	10.799	173	106594	59.689	ug/l #	100
73) Isopropylbenzene	10.963	105	612449	49.374	ug/l	98
74) N-amyl acetate	10.841	43	285805	58.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	218200	51.946	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	182138m	51.878	ug/l	
77) Bromobenzene	11.195	156	159023	52.138	ug/l	92
78) n-propylbenzene	11.305	91	700616	48.364	ug/l	98
79) 2-Chlorotoluene	11.366	91	429531	49.843	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	523190	49.805	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	66087	61.359	ug/l	92
82) 4-Chlorotoluene	11.451	91	504058	50.241	ug/l	96
83) tert-Butylbenzene	11.713	119	491050	48.776	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	528226	50.826	ug/l	97
85) sec-Butylbenzene	11.890	105	601652	47.174	ug/l	99
86) p-Isopropyltoluene	12.006	119	511792	47.815	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	289195	51.571	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	289803	50.752	ug/l	97
89) n-Butylbenzene	12.329	91	450095	47.251	ug/l	98
90) Hexachloroethane	12.536	117	84742	52.273	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	290321	52.578	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45556	57.098	ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	181844	53.467	ug/l	95
94) Hexachlorobutadiene	13.725	225	65770	47.217	ug/l	98
95) Naphthalene	13.774	128	613848	54.632	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	178739	53.876	ug/l	98

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

