

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037707.D
 Acq On : 13 Sep 2023 20:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 02:26:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	221932	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	373991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158007	44.005	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.000%		
35) Dibromofluoromethane	5.385	113	134024	50.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.120%		
50) Toluene-d8	8.653	98	491605	49.172	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.340%		
62) 4-Bromofluorobenzene	11.079	95	180338	49.998	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	106028	43.575	ug/l	99
3) Chloromethane	1.300	50	115255	41.579	ug/l	99
4) Vinyl Chloride	1.374	62	134126	43.013	ug/l	96
5) Bromomethane	1.599	94	96945	37.168	ug/l	96
6) Chloroethane	1.678	64	95328	44.463	ug/l	98
7) Trichlorofluoromethane	1.880	101	226765	43.954	ug/l	99
8) Diethyl Ether	2.136	74	87797	42.880	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	107688	46.564	ug/l	98
10) Methyl Iodide	2.453	142	140759	51.538	ug/l	94
11) Tert butyl alcohol	2.965	59	186338	250.729	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	105318	46.125	ug/l	86
13) Acrolein	2.239	56	136045	231.894	ug/l	100
14) Allyl chloride	2.660	41	176996	44.250	ug/l	# 96
15) Acrylonitrile	3.062	53	376723	228.773	ug/l	99
16) Acetone	2.380	43	313612	216.036	ug/l	92
17) Carbon Disulfide	2.508	76	243245	41.907	ug/l	100
18) Methyl Acetate	2.703	43	280922	45.824	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	414169	45.947	ug/l	99
20) Methylene Chloride	2.788	84	134777	47.965	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	119636	45.542	ug/l	89
22) Diisopropyl ether	3.763	45	398364	45.715	ug/l	87
23) Vinyl Acetate	3.721	43	1487241	233.988	ug/l	96
24) 1,1-Dichloroethane	3.611	63	231872	45.662	ug/l	99
25) 2-Butanone	4.556	43	518028	218.854	ug/l	93
26) 2,2-Dichloropropane	4.477	77	151544	42.902	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	148512	46.360	ug/l	89
28) Bromochloromethane	4.897	49	100345	39.113	ug/l	85
29) Tetrahydrofuran	5.007	42	339086	224.958	ug/l	90
30) Chloroform	5.099	83	251724	45.901	ug/l	98
31) Cyclohexane	5.470	56	183982	44.496	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	216180	47.363	ug/l	98
36) 1,1-Dichloropropene	5.690	75	166156	46.075	ug/l	96
37) Ethyl Acetate	4.714	43	201109	48.738	ug/l	97
38) Carbon Tetrachloride	5.678	117	182207	49.458	ug/l	96
39) Methylcyclohexane	7.385	83	203540	47.698	ug/l	92
40) Benzene	6.037	78	529306	48.416	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	105551	48.564	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	195557	45.766	ug/l	97
43) Isopropyl Acetate	6.342	43	322303	48.961	ug/l	96
44) Trichloroethene	7.129	130	135318	49.541	ug/l	100
45) 1,2-Dichloropropane	7.434	63	141696	49.113	ug/l	100
46) Dibromomethane	7.580	93	103313	49.221	ug/l	95
47) Bromodichloromethane	7.824	83	192606	50.831	ug/l	99
48) Methyl methacrylate	7.696	41	154089	48.423	ug/l #	87
49) 1,4-Dioxane	7.659	88	77527	983.347	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	1057758	244.705	ug/l	96
52) Toluene	8.720	92	342426	48.715	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	199911	52.039	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	213080	50.549	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	149408	50.478	ug/l	93
56) Ethyl methacrylate	9.116	69	229683	50.718	ug/l	92
57) 1,3-Dichloropropane	9.311	76	240663	48.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	560917	255.446	ug/l	99
59) 2-Hexanone	9.433	43	808796	242.402	ug/l	94
60) Dibromochloromethane	9.525	129	152993	52.623	ug/l	100
61) 1,2-Dibromoethane	9.610	107	159552	50.149	ug/l	99
64) Tetrachloroethene	9.275	164	114108	49.108	ug/l	97
65) Chlorobenzene	10.079	112	374239	48.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	141301	53.635	ug/l	98
67) Ethyl Benzene	10.195	91	667555	49.072	ug/l	99
68) m/p-Xylenes	10.305	106	520467	100.341	ug/l	97
69) o-Xylene	10.640	106	257649	49.821	ug/l	99
70) Styrene	10.659	104	430494	51.023	ug/l	96
71) Bromoform	10.799	173	113220	54.922	ug/l #	100
73) Isopropylbenzene	10.963	105	675174	50.061	ug/l	98
74) N-amyl acetate	10.841	43	292789	49.784	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	241437	47.837	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	189393m	47.822	ug/l	
77) Bromobenzene	11.201	156	164935	51.604	ug/l	90
78) n-propylbenzene	11.305	91	772165	49.764	ug/l	100
79) 2-Chlorotoluene	11.366	91	466819	48.875	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	576209	50.835	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	66787	51.262	ug/l	89
82) 4-Chlorotoluene	11.457	91	530721	48.642	ug/l	97
83) tert-Butylbenzene	11.713	119	582373	51.144	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	576053	50.408	ug/l	98
85) sec-Butylbenzene	11.890	105	713912	50.783	ug/l	100
86) p-Isopropyltoluene	12.012	119	590743	51.282	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	303482	49.452	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	302386	47.944	ug/l	98
89) n-Butylbenzene	12.335	91	512106	49.084	ug/l	97
90) Hexachloroethane	12.536	117	103539	53.264	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	308854	50.302	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	50746	48.967	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	181399	49.608	ug/l	98
94) Hexachlorobutadiene	13.725	225	81124	53.110	ug/l	99
95) Naphthalene	13.774	128	664176	50.143	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	189899	50.615	ug/l	98

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

