

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092023\
 Data File : VX037839.D
 Acq On : 20 Sep 2023 18:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 21 08:14:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	214142	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	371803	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	199882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137087	48.725	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.440%		
35) Dibromofluoromethane	5.391	113	116588	46.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.720%		
50) Toluene-d8	8.653	98	407528	44.088	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.180%#		
62) 4-Bromofluorobenzene	11.079	95	160088	47.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.320%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	92541	41.000	ug/l	100
3) Chloromethane	1.301	50	112687	45.885	ug/l	96
4) Vinyl Chloride	1.374	62	117371	44.300	ug/l	100
5) Bromomethane	1.599	94	116497	61.420	ug/l	99
6) Chloroethane	1.685	64	82431	45.162	ug/l	99
7) Trichlorofluoromethane	1.886	101	187744	44.077	ug/l	98
8) Diethyl Ether	2.136	74	87457	52.997	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	97459	45.085	ug/l	95
10) Methyl Iodide	2.453	142	146096	51.070	ug/l	92
11) Tert butyl alcohol	2.959	59	150524	249.249	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	97209	46.531	ug/l	87
13) Acrolein	2.233	56	176478	295.802	ug/l	99
14) Allyl chloride	2.666	41	170457	48.989	ug/l	# 94
15) Acrylonitrile	3.062	53	359963	268.086	ug/l	99
16) Acetone	2.380	43	286080	211.368	ug/l	90
17) Carbon Disulfide	2.514	76	231302	44.159	ug/l	98
18) Methyl Acetate	2.703	43	263688	54.007	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	421694	54.871	ug/l	99
20) Methylene Chloride	2.788	84	136963	54.738	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	115580	49.823	ug/l	90
22) Diisopropyl ether	3.763	45	384694	53.078	ug/l	# 85
23) Vinyl Acetate	3.721	43	1463457	274.513	ug/l	96
24) 1,1-Dichloroethane	3.611	63	219737	50.594	ug/l	99
25) 2-Butanone	4.556	43	466775	244.390	ug/l	# 89
26) 2,2-Dichloropropane	4.477	77	143378	40.856	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	148599	52.250	ug/l	87
28) Bromochloromethane	4.904	49	105924	52.278	ug/l	# 80
29) Tetrahydrofuran	5.001	42	308777	259.906	ug/l	89
30) Chloroform	5.099	83	243600	52.066	ug/l	98
31) Cyclohexane	5.470	56	157597	43.642	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	192272	48.535	ug/l	97
36) 1,1-Dichloropropene	5.696	75	152357	44.458	ug/l	97
37) Ethyl Acetate	4.715	43	187237	49.698	ug/l	96
38) Carbon Tetrachloride	5.678	117	159577	44.504	ug/l	99
39) Methylcyclohexane	7.385	83	181221	41.665	ug/l	93
40) Benzene	6.044	78	503327	47.761	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	102429	53.320	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	191735	50.338	ug/l	96
43) Isopropyl Acetate	6.342	43	309805	51.426	ug/l #	95
44) Trichloroethene	7.129	130	130430	44.442	ug/l	98
45) 1,2-Dichloropropane	7.434	63	136802	49.986	ug/l	97
46) Dibromomethane	7.580	93	103808	52.730	ug/l	92
47) Bromodichloromethane	7.824	83	189882	52.370	ug/l	95
48) Methyl methacrylate	7.696	41	146809	50.978	ug/l #	86
49) 1,4-Dioxane	7.659	88	71119	941.982	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	977571	255.765	ug/l	95
52) Toluene	8.720	92	320878	47.245	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	204789	54.018	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	217047	51.730	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	149396	52.172	ug/l	95
56) Ethyl methacrylate	9.116	69	227212	53.150	ug/l	91
57) 1,3-Dichloropropane	9.311	76	239792	51.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	513725	257.356	ug/l	99
59) 2-Hexanone	9.433	43	745436	250.488	ug/l	93
60) Dibromochloromethane	9.525	129	157893	55.350	ug/l	98
61) 1,2-Dibromoethane	9.610	107	162244	53.514	ug/l	100
64) Tetrachloroethene	9.275	164	110639	45.143	ug/l	97
65) Chlorobenzene	10.079	112	365214	47.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	141001	51.329	ug/l	99
67) Ethyl Benzene	10.195	91	619139	46.069	ug/l	99
68) m/p-Xylenes	10.305	106	486051	93.595	ug/l	97
69) o-Xylene	10.640	106	242896	46.643	ug/l	98
70) Styrene	10.659	104	417545	49.944	ug/l	96
71) Bromoform	10.799	173	119567	55.098	ug/l #	99
73) Isopropylbenzene	10.963	105	617523	42.111	ug/l	99
74) N-amyl acetate	10.841	43	291840	49.140	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	244963	47.498	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	219184m	47.411	ug/l	
77) Bromobenzene	11.201	156	168440	46.407	ug/l	88
78) n-propylbenzene	11.305	91	731499	44.169	ug/l	99
79) 2-Chlorotoluene	11.366	91	439665	43.056	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	539594	43.572	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	69414	48.098	ug/l	88
82) 4-Chlorotoluene	11.457	91	522260	45.429	ug/l	95
83) tert-Butylbenzene	11.713	119	547088	43.710	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	550152	44.650	ug/l	98
85) sec-Butylbenzene	11.890	105	665116	43.802	ug/l	99
86) p-Isopropyltoluene	12.012	119	565829	44.726	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	317935	46.991	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	324958	46.936	ug/l	97
89) n-Butylbenzene	12.335	91	519765	46.899	ug/l	97
90) Hexachloroethane	12.536	117	94346	44.015	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	323048	46.765	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	52460	51.029	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	216880	53.299	ug/l	96
94) Hexachlorobutadiene	13.725	225	88121	46.374	ug/l	99
95) Naphthalene	13.774	128	718834	52.235	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211907	50.605	ug/l	97

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

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