

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110823\
 Data File : VX038642.D
 Acq On : 08 Nov 2023 08:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/09/2023
 Supervised By : Semsettin Yesilyurt 11/09/2023

Quant Time: Nov 09 01:17:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	364430	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	545960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	523006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	297935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	216724	47.768	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.540%		
35) Dibromofluoromethane	5.379	113	194198	49.387	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.780%		
50) Toluene-d8	8.647	98	695948	49.460	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.920%		
62) 4-Bromofluorobenzene	11.079	95	277730	50.909	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.820%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	182693	48.273	ug/l	99
3) Chloromethane	1.294	50	141630	43.297	ug/l	95
4) Vinyl Chloride	1.374	62	158685	45.569	ug/l	99
5) Bromomethane	1.599	94	129878	48.321	ug/l	97
6) Chloroethane	1.685	64	97945	44.421	ug/l	97
7) Trichlorofluoromethane	1.886	101	280888	46.787	ug/l	99
8) Diethyl Ether	2.130	74	91813	44.549	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.331	101	167673	47.235	ug/l	90
10) Methyl Iodide	2.453	142	228782	52.185	ug/l	91
11) Tert butyl alcohol	2.953	59	181553	195.747	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	154343	45.381	ug/l	82
13) Acrolein	2.233	56	161623	229.916	ug/l	100
14) Allyl chloride	2.660	41	221912	45.554	ug/l	# 94
15) Acrylonitrile	3.056	53	439900	224.739	ug/l	99
16) Acetone	2.374	43	442153	231.401	ug/l	91
17) Carbon Disulfide	2.508	76	412449	45.640	ug/l	99
18) Methyl Acetate	2.697	43	361800	44.444	ug/l	# 88
19) Methyl tert-butyl Ether	3.111	73	503871	46.329	ug/l	96
20) Methylene Chloride	2.788	84	171016	44.398	ug/l	# 83
21) trans-1,2-Dichloroethene	3.087	96	170954	46.171	ug/l	85
22) Diisopropyl ether	3.757	45	428470	46.668	ug/l	# 83
23) Vinyl Acetate	3.715	43	1567485	240.536	ug/l	# 92
24) 1,1-Dichloroethane	3.605	63	276443	45.511	ug/l	98
25) 2-Butanone	4.544	43	617538	223.100	ug/l	# 88
26) 2,2-Dichloropropane	4.471	77	250715	47.273	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	198462	46.417	ug/l	85
28) Bromochloromethane	4.891	49	126932	46.499	ug/l	# 61
29) Tetrahydrofuran	4.995	42	383742	222.825	ug/l	# 82
30) Chloroform	5.086	83	317780	44.588	ug/l	100
31) Cyclohexane	5.464	56	235696	46.939	ug/l	89
32) 1,1,1-Trichloroethane	5.379	97	289930	46.226	ug/l	96
36) 1,1-Dichloropropene	5.690	75	227415	46.559	ug/l	94
37) Ethyl Acetate	4.702	43	227207	45.560	ug/l	# 95
38) Carbon Tetrachloride	5.672	117	264118	48.369	ug/l	98
39) Methylcyclohexane	7.379	83	292712	47.931	ug/l	89
40) Benzene	6.031	78	652134	46.353	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	120051	47.251	ug/l #	88
42) 1,2-Dichloroethane	6.080	62	240888	47.453	ug/l	96
43) Isopropyl Acetate	6.330	43	358611	46.774	ug/l #	92
44) Trichloroethene	7.123	130	205780	47.010	ug/l	95
45) 1,2-Dichloropropane	7.428	63	161040	47.351	ug/l	100
46) Dibromomethane	7.574	93	133826	47.052	ug/l #	87
47) Bromodichloromethane	7.818	83	246271	46.041	ug/l	96
48) Methyl methacrylate	7.690	41	175690	47.550	ug/l #	85
49) 1,4-Dioxane	7.653	88	74026	880.062	ug/l #	83
51) 4-Methyl-2-Pentanone	8.568	43	1161382	232.496	ug/l	93
52) Toluene	8.714	92	437369	47.457	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	269668	49.519	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	280853	48.854	ug/l #	88
55) 1,1,2-Trichloroethane	9.147	97	185252	47.374	ug/l	96
56) Ethyl methacrylate	9.110	69	271340	49.595	ug/l	87
57) 1,3-Dichloropropane	9.305	76	287683	47.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	637847	237.119	ug/l	90
59) 2-Hexanone	9.427	43	937052	231.836	ug/l	91
60) Dibromochloromethane	9.519	129	213124	48.551	ug/l	100
61) 1,2-Dibromoethane	9.610	107	207934	47.314	ug/l	100
64) Tetrachloroethene	9.269	164	182404	46.593	ug/l	94
65) Chlorobenzene	10.079	112	505904	47.518	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	192467	48.088	ug/l	99
67) Ethyl Benzene	10.189	91	865972	48.085	ug/l	99
68) m/p-Xylenes	10.299	106	683854	95.676	ug/l	96
69) o-Xylene	10.640	106	333168	47.933	ug/l	96
70) Styrene	10.653	104	564326	49.193	ug/l	95
71) Bromoform	10.799	173	171672	48.596	ug/l #	100
73) Isopropylbenzene	10.957	105	884822	48.409	ug/l	96
74) N-amyl acetate	10.842	43	314092	49.457	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	291973	46.206	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	245401m	41.589	ug/l	
77) Bromobenzene	11.195	156	235164	46.879	ug/l	83
78) n-propylbenzene	11.305	91	1032327	48.535	ug/l	96
79) 2-Chlorotoluene	11.366	91	607171	47.680	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	768043	48.823	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	90055	47.958	ug/l	86
82) 4-Chlorotoluene	11.451	91	721606	48.505	ug/l	94
83) tert-Butylbenzene	11.713	119	769386	48.267	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	767369	49.182	ug/l	96
85) sec-Butylbenzene	11.890	105	956469	48.088	ug/l	97
86) p-Isopropyltoluene	12.006	119	835970	49.338	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	448860	46.801	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	457520	46.411	ug/l	98
89) n-Butylbenzene	12.329	91	741088	49.151	ug/l	96
90) Hexachloroethane	12.536	117	143125	49.869	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	440472	47.026	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73854	46.503	ug/l	67
93) 1,2,4-Trichlorobenzene	13.585	180	323104	48.229	ug/l	97
94) Hexachlorobutadiene	13.725	225	138412	47.880	ug/l	100
95) Naphthalene	13.774	128	979165	48.454	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	314390	47.611	ug/l	98

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

