

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110923\
 Data File : VX038672.D
 Acq On : 09 Nov 2023 11:57
 Operator : JC/MD
 Sample : VX1109WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 03:34:59 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	337433	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	515361	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	496773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202299	48.156	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.320%		
35) Dibromofluoromethane	5.385	113	181764	48.969	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.940%		
50) Toluene-d8	8.647	98	643818	48.472	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.940%		
62) 4-Bromofluorobenzene	11.079	95	249462	48.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	66334	18.930	ug/l	97
3) Chloromethane	1.294	50	52325	17.276	ug/l	99
4) Vinyl Chloride	1.373	62	58112	18.023	ug/l	99
5) Bromomethane	1.611	94	46825	18.815	ug/l	96
6) Chloroethane	1.690	64	37467	18.352	ug/l	99
7) Trichlorofluoromethane	1.892	101	106208	19.106	ug/l	100
8) Diethyl Ether	2.135	74	34784	18.228	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.331	101	61460	18.699	ug/l	89
10) Methyl Iodide	2.453	142	83050	20.459	ug/l	91
11) Tert butyl alcohol	2.952	59	65053	75.750	ug/l	# 93
12) 1,1-Dichloroethene	2.318	96	57189	18.161	ug/l	85
13) Acrolein	2.233	56	63943	98.239	ug/l	99
14) Allyl chloride	2.666	41	78430	17.388	ug/l	# 95
15) Acrylonitrile	3.062	53	166811	92.040	ug/l	99
16) Acetone	2.373	43	165922	93.783	ug/l	90
17) Carbon Disulfide	2.513	76	146919	17.558	ug/l	99
18) Methyl Acetate	2.702	43	138154	18.329	ug/l	# 86
19) Methyl tert-butyl Ether	3.117	73	184502	18.321	ug/l	96
20) Methylene Chloride	2.788	84	64720	18.147	ug/l	# 82
21) trans-1,2-Dichloroethene	3.093	96	63563	18.540	ug/l	85
22) Diisopropyl ether	3.757	45	156867	18.453	ug/l	# 92
23) Vinyl Acetate	3.721	43	560643	92.916	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	102754	18.270	ug/l	97
25) 2-Butanone	4.556	43	228271	89.066	ug/l	# 87
26) 2,2-Dichloropropane	4.470	77	86709	17.657	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	73196	18.489	ug/l	85
28) Bromochloromethane	4.903	49	50928	20.149	ug/l	# 58
29) Tetrahydrofuran	5.001	42	140511	88.118	ug/l	# 81
30) Chloroform	5.092	83	120256	18.223	ug/l	98
31) Cyclohexane	5.470	56	83922	18.050	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	105583	18.181	ug/l	96
36) 1,1-Dichloropropene	5.696	75	83139	18.032	ug/l	94
37) Ethyl Acetate	4.714	43	80317	17.061	ug/l	# 92
38) Carbon Tetrachloride	5.678	117	95302	18.489	ug/l	99
39) Methylcyclohexane	7.378	83	103348	17.928	ug/l	90
40) Benzene	6.037	78	243381	18.327	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	43560	18.163	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	90969	18.984	ug/l	96
43) Isopropyl Acetate	6.336	43	125866	17.391	ug/l #	92
44) Trichloroethene	7.122	130	76201	18.442	ug/l	87
45) 1,2-Dichloropropane	7.427	63	59356	18.489	ug/l	98
46) Dibromomethane	7.580	93	49421	18.408	ug/l #	86
47) Bromodichloromethane	7.824	83	90844	17.992	ug/l	99
48) Methyl methacrylate	7.689	41	62997	18.062	ug/l #	84
49) 1,4-Dioxane	7.659	88	25351	319.281	ug/l #	86
51) 4-Methyl-2-Pentanone	8.573	43	432862	91.799	ug/l	92
52) Toluene	8.720	92	163365	18.778	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	91209	17.743	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	98600	18.170	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	69655	18.870	ug/l	98
56) Ethyl methacrylate	9.116	69	95477	18.487	ug/l	87
57) 1,3-Dichloropropane	9.311	76	106519	18.527	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	256114	100.863	ug/l	91
59) 2-Hexanone	9.427	43	349092	91.497	ug/l	91
60) Dibromochloromethane	9.518	129	75839	18.302	ug/l	99
61) 1,2-Dibromoethane	9.610	107	77720	18.735	ug/l	99
64) Tetrachloroethene	9.274	164	68785	18.498	ug/l	95
65) Chlorobenzene	10.079	112	189047	18.694	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	70897	18.649	ug/l	99
67) Ethyl Benzene	10.195	91	315385	18.437	ug/l	99
68) m/p-Xylenes	10.299	106	250535	36.903	ug/l	97
69) o-Xylene	10.640	106	120858	18.306	ug/l	97
70) Styrene	10.652	104	201619	18.504	ug/l	95
71) Bromoform	10.799	173	59409	17.705	ug/l #	98
73) Isopropylbenzene	10.963	105	320850	18.729	ug/l	97
74) N-amyl acetate	10.841	43	106572	17.904	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	109612	18.508	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	101020m	18.266	ug/l	
77) Bromobenzene	11.195	156	86807	18.463	ug/l	82
78) n-propylbenzene	11.305	91	370692	18.595	ug/l	97
79) 2-Chlorotoluene	11.366	91	222986	18.683	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	276898	18.780	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27927	17.378	ug/l	91
82) 4-Chlorotoluene	11.457	91	262252	18.808	ug/l	93
83) tert-Butylbenzene	11.713	119	277613	18.582	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	276494	18.907	ug/l	96
85) sec-Butylbenzene	11.890	105	344523	18.481	ug/l	97
86) p-Isopropyltoluene	12.006	119	296011	18.640	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	164116	18.257	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	166370	18.006	ug/l	97
89) n-Butylbenzene	12.335	91	260359	18.424	ug/l	96
90) Hexachloroethane	12.536	117	47460	17.643	ug/l	78
91) 1,2-Dichlorobenzene	12.335	146	159991	18.225	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25800	17.333	ug/l	65
93) 1,2,4-Trichlorobenzene	13.591	180	114613	18.253	ug/l	96
94) Hexachlorobutadiene	13.725	225	47954	17.699	ug/l	98
95) Naphthalene	13.774	128	353217	18.649	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	114601	18.517	ug/l	98

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

