

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111323\
 Data File : VX038772.D
 Acq On : 13 Nov 2023 11:38
 Operator : JC/MD
 Sample : VX1113WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 14 05:30:32 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	329330	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	504362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	479832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	269845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	182555	44.525	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.060%		
35) Dibromofluoromethane	5.385	113	166385	45.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.600%		
50) Toluene-d8	8.647	98	582606	44.820	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.640%#		
62) 4-Bromofluorobenzene	11.079	95	229460	45.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	59651	17.442	ug/l	99
3) Chloromethane	1.295	50	46476	15.722	ug/l	98
4) Vinyl Chloride	1.374	62	52560	16.702	ug/l	97
5) Bromomethane	1.605	94	43232	17.799	ug/l	96
6) Chloroethane	1.691	64	33538	16.832	ug/l	97
7) Trichlorofluoromethane	1.892	101	99717	18.380	ug/l	99
8) Diethyl Ether	2.130	74	31995	17.179	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	57252	17.847	ug/l	88
10) Methyl Iodide	2.453	142	76904	19.411	ug/l	92
11) Tert butyl alcohol	2.947	59	73245	87.388	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	53675	17.464	ug/l #	79
13) Acrolein	2.233	56	69330	109.137	ug/l	98
14) Allyl chloride	2.666	41	72487	16.466	ug/l #	93
15) Acrylonitrile	3.056	53	158507	89.610	ug/l	99
16) Acetone	2.374	43	170635	98.820	ug/l #	88
17) Carbon Disulfide	2.514	76	127886	15.660	ug/l	99
18) Methyl Acetate	2.697	43	130608	17.754	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	172111	17.511	ug/l	97
20) Methylene Chloride	2.788	84	59500	17.093	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	58459	17.471	ug/l	83
22) Diisopropyl ether	3.758	45	143492	17.295	ug/l #	92
23) Vinyl Acetate	3.721	43	513561	87.207	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	93202	16.979	ug/l	98
25) 2-Butanone	4.550	43	225485	90.144	ug/l #	86
26) 2,2-Dichloropropane	4.477	77	83509	17.424	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	67322	17.423	ug/l	84
28) Bromochloromethane	4.898	49	47257	19.157	ug/l #	54
29) Tetrahydrofuran	5.001	42	135805	87.262	ug/l #	79
30) Chloroform	5.093	83	109802	17.049	ug/l	95
31) Cyclohexane	5.471	56	74976	16.523	ug/l #	83
32) 1,1,1-Trichloroethane	5.385	97	100535	17.737	ug/l	96
36) 1,1-Dichloropropene	5.696	75	78215	17.334	ug/l	94
37) Ethyl Acetate	4.715	43	78477	17.034	ug/l #	93
38) Carbon Tetrachloride	5.678	117	89924	17.826	ug/l	95
39) Methylcyclohexane	7.379	83	96292	17.068	ug/l	89
40) Benzene	6.038	78	223740	17.215	ug/l	98

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41) Methacrylonitrile	4.916	41	41001	17.469	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	83190	17.739	ug/l	94
43) Isopropyl Acetate	6.336	43	116857	16.499	ug/l #	90
44) Trichloroethene	7.123	130	71813	17.759	ug/l	91
45) 1,2-Dichloropropane	7.428	63	53801	17.124	ug/l	98
46) Dibromomethane	7.580	93	45645	17.372	ug/l #	85
47) Bromodichloromethane	7.818	83	82924	16.781	ug/l	100
48) Methyl methacrylate	7.690	41	58423	17.116	ug/l #	83
49) 1,4-Dioxane	7.659	88	29095	374.426	ug/l #	81
51) 4-Methyl-2-Pentanone	8.568	43	406328	88.051	ug/l	91
52) Toluene	8.714	92	151196	17.759	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	86508	17.196	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	93821	17.666	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	65192	18.046	ug/l	98
56) Ethyl methacrylate	9.116	69	90124	17.831	ug/l #	84
57) 1,3-Dichloropropane	9.305	76	99807	17.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	220421	88.699	ug/l	91
59) 2-Hexanone	9.427	43	334748	89.651	ug/l	90
60) Dibromochloromethane	9.519	129	71039	17.518	ug/l	100
61) 1,2-Dibromoethane	9.610	107	71007	17.490	ug/l	98
64) Tetrachloroethene	9.275	164	62846	17.498	ug/l	95
65) Chlorobenzene	10.080	112	177356	18.157	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	66665	18.155	ug/l	98
67) Ethyl Benzene	10.195	91	296894	17.969	ug/l	100
68) m/p-Xylenes	10.299	106	235980	35.986	ug/l	96
69) o-Xylene	10.640	106	115883	18.172	ug/l	95
70) Styrene	10.653	104	189433	17.999	ug/l	95
71) Bromoform	10.799	173	57197	17.648	ug/l #	98
73) Isopropylbenzene	10.964	105	307544	18.577	ug/l	97
74) N-amyl acetate	10.842	43	98327	17.094	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.214	83	103656	18.112	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	85212m	15.945	ug/l	
77) Bromobenzene	11.195	156	80869	17.799	ug/l	83
78) n-propylbenzene	11.305	91	353040	18.326	ug/l	96
79) 2-Chlorotoluene	11.360	91	210412	18.243	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	264449	18.561	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27161	17.481	ug/l	89
82) 4-Chlorotoluene	11.451	91	246485	18.293	ug/l	92
83) tert-Butylbenzene	11.713	119	264965	18.353	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	261022	18.471	ug/l	95
85) sec-Butylbenzene	11.890	105	328649	18.244	ug/l	97
86) p-Isopropyltoluene	12.006	119	283947	18.503	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	156464	18.012	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	158907	17.798	ug/l	97
89) n-Butylbenzene	12.329	91	244522	17.905	ug/l	96
90) Hexachloroethane	12.536	117	45134	17.363	ug/l	75
91) 1,2-Dichlorobenzene	12.335	146	151542	17.863	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25433	17.681	ug/l	66
93) 1,2,4-Trichlorobenzene	13.585	180	109949	18.120	ug/l	96
94) Hexachlorobutadiene	13.725	225	46743	17.853	ug/l	99
95) Naphthalene	13.774	128	334679	18.286	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	107740	18.015	ug/l	98

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

