

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038247.D
 Acq On : 12 Oct 2023 11:24
 Operator : JC/MD
 Sample : VX1012WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1012WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 13 04:44:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	129947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223824	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102166	48.881	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.760%		
35) Dibromofluoromethane	5.385	113	78722	48.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.620%		
50) Toluene-d8	8.647	98	300508	48.761	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.520%		
62) 4-Bromofluorobenzene	11.079	95	115717	49.528	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	24709	19.699	ug/l	96
3) Chloromethane	1.301	50	24201	18.930	ug/l	95
4) Vinyl Chloride	1.374	62	29109	20.536	ug/l	97
5) Bromomethane	1.605	94	31050	16.101	ug/l	99
6) Chloroethane	1.685	64	23298	22.796	ug/l	95
7) Trichlorofluoromethane	1.886	101	60793	21.714	ug/l	100
8) Diethyl Ether	2.136	74	22730	21.768	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	24331	19.907	ug/l	97
10) Methyl Iodide	2.453	142	33680	19.152	ug/l	95
11) Tert butyl alcohol	2.959	59	42852	85.583	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	23340	19.631	ug/l	89
13) Acrolein	2.233	56	27671	93.127	ug/l	99
14) Allyl chloride	2.666	41	38760	18.227	ug/l	93
15) Acrylonitrile	3.063	53	95120	100.003	ug/l	100
16) Acetone	2.380	43	93265	106.918	ug/l	92
17) Carbon Disulfide	2.514	76	54650	15.949	ug/l #	95
18) Methyl Acetate	2.703	43	77472	20.710	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	91707	19.368	ug/l	97
20) Methylene Chloride	2.788	84	29938	18.246	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	28061	19.063	ug/l	92
22) Diisopropyl ether	3.758	45	86284	19.360	ug/l	95
23) Vinyl Acetate	3.721	43	313881	96.033	ug/l	97
24) 1,1-Dichloroethane	3.611	63	51522	19.048	ug/l	100
25) 2-Butanone	4.556	43	140115	99.553	ug/l	92
26) 2,2-Dichloropropane	4.483	77	38102	18.043	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	34083	19.441	ug/l	90
28) Bromochloromethane	4.898	49	25859	21.178	ug/l	89
29) Tetrahydrofuran	5.007	42	87551	95.545	ug/l #	88
30) Chloroform	5.093	83	60014	20.290	ug/l	97
31) Cyclohexane	5.471	56	40154	17.732	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	48664	19.209	ug/l	99
36) 1,1-Dichloropropene	5.696	75	40453	18.189	ug/l	96
37) Ethyl Acetate	4.715	43	50213	19.011	ug/l	97
38) Carbon Tetrachloride	5.678	117	39888	18.232	ug/l	98
39) Methylcyclohexane	7.385	83	46742	17.943	ug/l	91
40) Benzene	6.038	78	121492	19.531	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25216	19.191	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	48274	19.424	ug/l	99
43) Isopropyl Acetate	6.342	43	73923	18.748	ug/l	98
44) Trichloroethene	7.129	130	30651	18.839	ug/l	100
45) 1,2-Dichloropropane	7.428	63	32086	19.930	ug/l	98
46) Dibromomethane	7.580	93	25046	20.058	ug/l	97
47) Bromodichloromethane	7.824	83	44644	20.098	ug/l	99
48) Methyl methacrylate	7.696	41	36603	19.445	ug/l	87
49) 1,4-Dioxane	7.659	88	19312	416.339	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	280494	103.132	ug/l	99
52) Toluene	8.720	92	80221	19.798	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	44124	18.505	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	47877	19.112	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	35163	20.288	ug/l	96
56) Ethyl methacrylate	9.116	69	50437	18.980	ug/l	92
57) 1,3-Dichloropropane	9.305	76	56023	19.986	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	128256	98.327	ug/l	99
59) 2-Hexanone	9.427	43	226639	103.655	ug/l	96
60) Dibromochloromethane	9.525	129	34571	20.381	ug/l	100
61) 1,2-Dibromoethane	9.610	107	37736	20.134	ug/l	100
64) Tetrachloroethene	9.275	164	26766	18.297	ug/l	97
65) Chlorobenzene	10.080	112	89537	18.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	31871	19.932	ug/l	97
67) Ethyl Benzene	10.195	91	156791	18.576	ug/l	100
68) m/p-Xylenes	10.299	106	121184	37.132	ug/l	99
69) o-Xylene	10.640	106	58303	18.304	ug/l	98
70) Styrene	10.653	104	98083	18.909	ug/l	97
71) Bromoform	10.799	173	24582	18.487	ug/l #	99
73) Isopropylbenzene	10.964	105	155283	18.764	ug/l	99
74) N-amyl acetate	10.842	43	65599	18.562	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	62750	20.664	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	56896m	20.281	ug/l	
77) Bromobenzene	11.195	156	39914	19.755	ug/l	91
78) n-propylbenzene	11.305	91	187870	18.566	ug/l	99
79) 2-Chlorotoluene	11.366	91	111272	18.542	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	135724	19.010	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	14635	18.038	ug/l	96
82) 4-Chlorotoluene	11.457	91	130389	18.361	ug/l	97
83) tert-Butylbenzene	11.713	119	128691	18.446	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	134316	18.868	ug/l	99
85) sec-Butylbenzene	11.890	105	168370	18.631	ug/l	99
86) p-Isopropyltoluene	12.006	119	139094	18.655	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	76109	18.755	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	77952	18.815	ug/l	99
89) n-Butylbenzene	12.335	91	131165	17.664	ug/l	97
90) Hexachloroethane	12.536	117	22501	18.201	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	74755	19.164	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14443	19.671	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	48811	18.656	ug/l	98
94) Hexachlorobutadiene	13.725	225	20236	19.217	ug/l	96
95) Naphthalene	13.774	128	167663	18.402	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	47898	18.907	ug/l	99

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

