

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038222.D
 Acq On : 11 Oct 2023 12:26
 Operator : JC/MD
 Sample : VX1011WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

Quant Time: Oct 12 02:42:17 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	5.556	168	129707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104075	49.886	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.780%			
35) Dibromofluoromethane	5.385	113	80070	50.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	8.647	98	303369	50.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.800%			
62) 4-Bromofluorobenzene	11.079	95	115338	50.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25651	20.488	ug/l	96
3) Chloromethane	1.301	50	24032	18.833	ug/l	92
4) Vinyl Chloride	1.374	62	30020	21.218	ug/l	98
5) Bromomethane	1.605	94	34075	17.789	ug/l	98
6) Chloroethane	1.685	64	24260	23.830	ug/l	99
7) Trichlorofluoromethane	1.886	101	64116	22.943	ug/l	97
8) Diethyl Ether	2.136	74	22826	21.901	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	25243	20.691	ug/l	98
10) Methyl Iodide	2.453	142	33930	19.329	ug/l	94
11) Tert butyl alcohol	2.959	59	43111	86.351	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	23618	19.902	ug/l	88
13) Acrolein	2.233	56	38876	131.080	ug/l	98
14) Allyl chloride	2.666	41	38722	18.242	ug/l	93
15) Acrylonitrile	3.062	53	93306	98.278	ug/l	100
16) Acetone	2.380	43	91570	105.169	ug/l	91
17) Carbon Disulfide	2.514	76	56603	16.549	ug/l	100
18) Methyl Acetate	2.703	43	74095	19.844	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	89022	18.835	ug/l	100
20) Methylene Chloride	2.788	84	30110	18.385	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	28584	19.454	ug/l	85
22) Diisopropyl ether	3.764	45	86504	19.445	ug/l #	90
23) Vinyl Acetate	3.721	43	311135	95.369	ug/l	98
24) 1,1-Dichloroethane	3.611	63	52207	19.337	ug/l	99
25) 2-Butanone	4.556	43	140631	100.104	ug/l #	90
26) 2,2-Dichloropropane	4.477	77	39528	18.753	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	34049	19.457	ug/l	93
28) Bromochloromethane	4.904	49	25594	21.000	ug/l	88
29) Tetrahydrofuran	5.007	42	87458	95.620	ug/l	89
30) Chloroform	5.099	83	58502	19.816	ug/l	98
31) Cyclohexane	5.477	56	42087	18.620	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	48322	19.109	ug/l	98
36) 1,1-Dichloropropene	5.696	75	40287	18.548	ug/l	96
37) Ethyl Acetate	4.715	43	49592	19.224	ug/l	97
38) Carbon Tetrachloride	5.684	117	42010	19.661	ug/l	95
39) Methylcyclohexane	7.385	83	49169	19.326	ug/l	91
40) Benzene	6.037	78	120882	19.898	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24809	19.333	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	48255	19.881	ug/l	100
43) Isopropyl Acetate	6.342	43	74323	19.300	ug/l	98
44) Trichloroethene	7.129	130	32095	20.199	ug/l	97
45) 1,2-Dichloropropane	7.434	63	31217	19.854	ug/l	99
46) Dibromomethane	7.586	93	24243	19.879	ug/l	97
47) Bromodichloromethane	7.824	83	43918	20.244	ug/l	99
48) Methyl methacrylate	7.696	41	36140	19.659	ug/l	86
49) 1,4-Dioxane	7.659	88	18603	410.646	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	269416	101.428	ug/l	97
52) Toluene	8.720	92	79552	20.102	ug/l	92
53) t-1,3-Dichloropropene	8.982	75	45284	19.446	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	47702	19.497	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	34230	20.222	ug/l	94
56) Ethyl methacrylate	9.116	69	49598	19.111	ug/l	93
57) 1,3-Dichloropropane	9.311	76	55650	20.327	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	124352	97.614	ug/l	99
59) 2-Hexanone	9.427	43	223101	104.477	ug/l	97
60) Dibromochloromethane	9.525	129	33873	20.447	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36944	20.183	ug/l	100
64) Tetrachloroethene	9.275	164	26956	19.166	ug/l	99
65) Chlorobenzene	10.079	112	88607	19.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	30878	20.086	ug/l	99
67) Ethyl Benzene	10.195	91	156274	19.257	ug/l	99
68) m/p-Xylenes	10.299	106	122691	39.101	ug/l	100
69) o-Xylene	10.640	106	58643	19.149	ug/l	99
70) Styrene	10.659	104	97819	19.614	ug/l	97
71) Bromoform	10.799	173	24247	18.891	ug/l #	99
73) Isopropylbenzene	10.963	105	156605	19.310	ug/l	100
74) N-amyl acetate	10.842	43	65476	18.906	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	60086	20.191	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	53584m	19.491	ug/l	
77) Bromobenzene	11.195	156	38773	19.583	ug/l	91
78) n-propylbenzene	11.305	91	192104	19.373	ug/l	98
79) 2-Chlorotoluene	11.366	91	112370	19.108	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	136201	19.467	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	14689	18.377	ug/l	98
82) 4-Chlorotoluene	11.457	91	132805	19.084	ug/l	97
83) tert-Butylbenzene	11.713	119	132533	19.386	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	135364	19.404	ug/l	98
85) sec-Butylbenzene	11.890	105	173029	19.538	ug/l	99
86) p-Isopropyltoluene	12.006	119	143119	19.587	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	75711	19.038	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	78578	19.354	ug/l	99
89) n-Butylbenzene	12.335	91	136707	18.787	ug/l	97
90) Hexachloroethane	12.536	117	23138	19.099	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	73357	19.190	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13705	19.048	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	47464	18.512	ug/l	98
94) Hexachlorobutadiene	13.725	225	19592	18.986	ug/l	96
95) Naphthalene	13.774	128	162833	18.237	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	47167	18.999	ug/l	98

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

