

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032786.D
 Acq On : 14 Nov 2022 11:59
 Operator : JC/MD
 Sample : VX1114WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 05:07:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	91890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	140691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65583	51.366	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.740%			
35) Dibromofluoromethane	5.385	113	54362	54.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.340%			
50) Toluene-d8	8.647	98	179137	51.334	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.660%			
62) 4-Bromofluorobenzene	11.079	95	73144	53.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19216	18.131	ug/l	96
3) Chloromethane	1.294	50	15644	17.454	ug/l	96
4) Vinyl Chloride	1.374	62	17815	18.061	ug/l	98
5) Bromomethane	1.617	94	13054	16.560	ug/l	96
6) Chloroethane	1.691	64	17694	26.738	ug/l	96
7) Trichlorofluoromethane	1.892	101	37539	20.085	ug/l	99
8) Diethyl Ether	2.136	74	12297	20.303	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	20457	20.737	ug/l	100
10) Methyl Iodide	2.453	142	18281	17.939	ug/l	98
11) Tert butyl alcohol	2.995	59	17685m	95.165	ug/l	
12) 1,1-Dichloroethene	2.319	96	17680	19.185	ug/l	92
13) Acrolein	2.239	56	13082	70.515	ug/l	99
14) Allyl chloride	2.666	41	28922	19.688	ug/l	99
15) Acrylonitrile	3.062	53	47087	93.363	ug/l	99
16) Acetone	2.392	43	45357	97.741	ug/l	98
17) Carbon Disulfide	2.514	76	40375	18.394	ug/l	99
18) Methyl Acetate	2.703	43	30931	20.497	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68757	21.228	ug/l	99
20) Methylene Chloride	2.788	84	21432	20.143	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	19602	19.542	ug/l	96
22) Diisopropyl ether	3.757	45	66691	20.989	ug/l	90
23) Vinyl Acetate	3.721	43	246845	96.157	ug/l	99
24) 1,1-Dichloroethane	3.611	63	37609	20.578	ug/l	98
25) 2-Butanone	4.562	43	64633	89.899	ug/l	95
26) 2,2-Dichloropropane	4.477	77	31631	21.772	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	23729	20.466	ug/l	96
28) Bromochloromethane	4.897	49	12029	18.478	ug/l	96
29) Tetrahydrofuran	5.013	42	41112	89.677	ug/l	99
30) Chloroform	5.092	83	43076	21.479	ug/l	99
31) Cyclohexane	5.470	56	29607	19.125	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	39152	21.756	ug/l	99
36) 1,1-Dichloropropene	5.696	75	28074	20.089	ug/l	98
37) Ethyl Acetate	4.708	43	25432	17.483	ug/l	99
38) Carbon Tetrachloride	5.678	117	35039	22.605	ug/l	97
39) Methylcyclohexane	7.379	83	32333	19.555	ug/l	97
40) Benzene	6.037	78	82665	20.903	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15343	20.705	ug/l	97
42) 1,2-Dichloroethane	6.086	62	35798	22.144	ug/l	99
43) Isopropyl Acetate	6.336	43	45244	20.257	ug/l	98
44) Trichloroethene	7.123	130	23436	21.051	ug/l	96
45) 1,2-Dichloropropane	7.427	63	22254	21.921	ug/l	98
46) Dibromomethane	7.580	93	16997	21.832	ug/l	98
47) Bromodichloromethane	7.818	83	35470	24.038	ug/l	97
48) Methyl methacrylate	7.690	41	22131	19.185	ug/l	99
49) 1,4-Dioxane	7.708	88	7725	351.402	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	139169	98.923	ug/l	99
52) Toluene	8.720	92	56185	21.776	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	34349	22.815	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	36979	22.964	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	23902	21.997	ug/l	99
56) Ethyl methacrylate	9.116	69	31490	20.138	ug/l	98
57) 1,3-Dichloropropane	9.311	76	38603	21.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	81832	108.682	ug/l	99
59) 2-Hexanone	9.427	43	101811	97.530	ug/l	99
60) Dibromochloromethane	9.518	129	28449	23.970	ug/l	99
61) 1,2-Dibromoethane	9.610	107	24949	21.669	ug/l	100
64) Tetrachloroethene	9.275	164	20935	22.251	ug/l	94
65) Chlorobenzene	10.079	112	62104	21.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	25839	23.843	ug/l	99
67) Ethyl Benzene	10.195	91	109813	21.326	ug/l	100
68) m/p-Xylenes	10.299	106	85309	42.666	ug/l	99
69) o-Xylene	10.640	106	41486	21.340	ug/l	100
70) Styrene	10.659	104	70984	21.971	ug/l	98
71) Bromoform	10.799	173	21280	24.836	ug/l #	99
73) Isopropylbenzene	10.963	105	113011	20.363	ug/l	100
74) N-amyl acetate	10.841	43	38084	18.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	35856	20.128	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	27897m	17.904	ug/l	
77) Bromobenzene	11.201	156	28268	20.776	ug/l	98
78) n-propylbenzene	11.305	91	129972	20.327	ug/l	100
79) 2-Chlorotoluene	11.366	91	78311	20.451	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	97861	20.632	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10295	21.025	ug/l	96
82) 4-Chlorotoluene	11.457	91	91733	20.473	ug/l	100
83) tert-Butylbenzene	11.713	119	99240	20.957	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	98513	20.882	ug/l	99
85) sec-Butylbenzene	11.890	105	115951	20.349	ug/l	99
86) p-Isopropyltoluene	12.012	119	100646	20.816	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	54595	21.272	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	53531	20.105	ug/l	99
89) n-Butylbenzene	12.335	91	85428	20.310	ug/l	99
90) Hexachloroethane	12.536	117	18699	23.677	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	53462	21.126	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7614	19.494	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	33820	20.496	ug/l	98
94) Hexachlorobutadiene	13.725	225	15045	21.832	ug/l	97
95) Naphthalene	13.774	128	104729	19.048	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	33592	20.027	ug/l	98

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

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