

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070324\
 Data File : VX042158.D
 Acq On : 03 Jul 2024 12:49
 Operator : JC/MD
 Sample : VX0703WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/05/2024
 Supervised By :Mahesh Dadoda 07/05/2024

Quant Time: Jul 04 07:22:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	164055	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	236166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86136	45.532	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.060%		
35) Dibromofluoromethane	5.385	113	82421	49.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	8.647	98	272051	46.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.420%		
62) 4-Bromofluorobenzene	11.079	95	105230	48.492	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	27339	21.874	ug/l	100
3) Chloromethane	1.301	50	29736	18.965	ug/l	99
4) Vinyl Chloride	1.374	62	28487	18.125	ug/l	99
5) Bromomethane	1.599	94	16494	21.252	ug/l	99
6) Chloroethane	1.666	64	14725	20.734	ug/l	97
7) Trichlorofluoromethane	1.868	101	43841	21.290	ug/l	97
8) Diethyl Ether	2.136	74	16685	17.261	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.319	101	27610	19.464	ug/l #	86
10) Methyl Iodide	2.441	142	31398	17.808	ug/l #	86
11) Tert butyl alcohol	2.995	59	33285	92.710	ug/l #	95
12) 1,1-Dichloroethene	2.307	96	27269	19.272	ug/l	83
13) Acrolein	2.239	56	33299	82.741	ug/l	96
14) Allyl chloride	2.660	41	42474	18.927	ug/l	89
15) Acrylonitrile	3.069	53	84612	90.227	ug/l	98
16) Acetone	2.392	43	75518	90.912	ug/l #	86
17) Carbon Disulfide	2.502	76	54510	18.893	ug/l	100
18) Methyl Acetate	2.709	43	37468	16.535	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	88985	19.035	ug/l	99
20) Methylene Chloride	2.788	84	32128	17.663	ug/l #	86
21) trans-1,2-Dichloroethene	3.087	96	27269	18.989	ug/l	86
22) Diisopropyl ether	3.764	45	87496	18.446	ug/l	95
23) Vinyl Acetate	3.721	43	386147	95.323	ug/l	95
24) 1,1-Dichloroethane	3.605	63	50183	18.892	ug/l	94
25) 2-Butanone	4.568	43	114480	88.585	ug/l	92
26) 2,2-Dichloropropane	4.471	77	39006	20.277	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	34005	18.906	ug/l	87
28) Bromochloromethane	4.898	49	19474	17.116	ug/l #	66
29) Tetrahydrofuran	5.013	42	72532	86.904	ug/l	91
30) Chloroform	5.093	83	52188	18.858	ug/l	95
31) Cyclohexane	5.464	56	41913	18.945	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	44971	19.447	ug/l	96
36) 1,1-Dichloropropene	5.690	75	34135	19.183	ug/l	95
37) Ethyl Acetate	4.721	43	43598	18.808	ug/l	98
38) Carbon Tetrachloride	5.672	117	38127	19.392	ug/l	96
39) Methylcyclohexane	7.379	83	44591	19.814	ug/l	92
40) Benzene	6.038	78	115190	19.194	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23106	18.389	ug/l	90
42) 1,2-Dichloroethane	6.086	62	37124	19.204	ug/l	91
43) Isopropyl Acetate	6.342	43	64114	18.019	ug/l	93
44) Trichloroethene	7.129	130	32211	20.023	ug/l	80
45) 1,2-Dichloropropane	7.428	63	27541	18.663	ug/l	98
46) Dibromomethane	7.580	93	20225	18.810	ug/l #	71
47) Bromodichloromethane	7.824	83	37121	18.804	ug/l #	97
48) Methyl methacrylate	7.696	41	30815	18.147	ug/l #	85
49) 1,4-Dioxane	7.665	88	14535	336.983	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	223402	91.150	ug/l	95
52) Toluene	8.720	92	74388	19.465	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	36874	18.524	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	41613	19.254	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	30952	19.442	ug/l	98
56) Ethyl methacrylate	9.116	69	45931	18.545	ug/l #	88
57) 1,3-Dichloropropane	9.311	76	49339	19.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	117969	102.209	ug/l	93
59) 2-Hexanone	9.433	43	169742	90.424	ug/l	90
60) Dibromochloromethane	9.519	129	32930	19.042	ug/l	98
61) 1,2-Dibromoethane	9.610	107	31875	19.306	ug/l	100
64) Tetrachloroethene	9.275	164	31126	20.080	ug/l	90
65) Chlorobenzene	10.079	112	85634	19.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30137	19.440	ug/l	98
67) Ethyl Benzene	10.195	91	136669	19.695	ug/l	98
68) m/p-Xylenes	10.299	106	109953	39.253	ug/l	92
69) o-Xylene	10.640	106	55367	19.965	ug/l	92
70) Styrene	10.653	104	91904	19.763	ug/l	94
71) Bromoform	10.799	173	25757	18.262	ug/l #	99
73) Isopropylbenzene	10.964	105	139573	19.913	ug/l	96
74) N-amyl acetate	10.842	43	55041	17.679	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	48146	18.474	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	38763m	18.523	ug/l	
77) Bromobenzene	11.195	156	39749	19.042	ug/l	77
78) n-propylbenzene	11.305	91	149988	19.722	ug/l	96
79) 2-Chlorotoluene	11.366	91	96346	19.663	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	116497	19.955	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	12876	17.474	ug/l	93
82) 4-Chlorotoluene	11.457	91	106678	19.695	ug/l	92
83) tert-Butylbenzene	11.713	119	124659	19.460	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	118451	20.224	ug/l	93
85) sec-Butylbenzene	11.890	105	144887	19.997	ug/l	96
86) p-Isopropyltoluene	12.006	119	125677	19.857	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	70749	19.282	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	71738	19.056	ug/l	95
89) n-Butylbenzene	12.329	91	91430	18.766	ug/l	97
90) Hexachloroethane	12.536	117	19907	18.474	ug/l #	56
91) 1,2-Dichlorobenzene	12.335	146	72391	19.281	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9017	17.459	ug/l #	42
93) 1,2,4-Trichlorobenzene	13.585	180	45586	18.535	ug/l	96
94) Hexachlorobutadiene	13.725	225	23979	19.280	ug/l	99
95) Naphthalene	13.774	128	141625	17.628	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	48778	18.804	ug/l	95

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

