

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022323\
 Data File : VX034242.D
 Acq On : 23 Feb 2023 12:16
 Operator : JC/MD
 Sample : VX0223WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 21:40:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	304996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	494821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	444842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	181112	44.092	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.180%		
35) Dibromofluoromethane	5.385	113	154888	48.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.160%		
50) Toluene-d8	8.647	98	578451	50.008	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.020%		
62) 4-Bromofluorobenzene	11.079	95	215054	48.605	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	50042	18.988	ug/l	100
3) Chloromethane	1.301	50	70083	18.479	ug/l	97
4) Vinyl Chloride	1.374	62	72526	20.998	ug/l	97
5) Bromomethane	1.605	94	41335	28.777	ug/l	99
6) Chloroethane	1.685	64	40622	23.394	ug/l	96
7) Trichlorofluoromethane	1.886	101	104860	22.440	ug/l	99
8) Diethyl Ether	2.130	74	41422	22.003	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	58629	17.816	ug/l	96
10) Methyl Iodide	2.453	142	68041	16.981	ug/l	94
11) Tert butyl alcohol	2.953	59	81651	88.875	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	56810	17.221	ug/l	94
13) Acrolein	2.233	56	34344	81.893	ug/l	100
14) Allyl chloride	2.660	41	113865	16.272	ug/l	89
15) Acrylonitrile	3.062	53	182168	90.893	ug/l	99
16) Acetone	2.374	43	157554	74.357	ug/l	91
17) Carbon Disulfide	2.514	76	152888	16.120	ug/l	99
18) Methyl Acetate	2.703	43	119264	18.191	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209444	17.989	ug/l	98
20) Methylene Chloride	2.788	84	67325	17.634	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	61400	17.762	ug/l	96
22) Diisopropyl ether	3.757	45	229799	18.732	ug/l	98
23) Vinyl Acetate	3.721	43	902564	91.827	ug/l	98
24) 1,1-Dichloroethane	3.611	63	119477	17.740	ug/l	99
25) 2-Butanone	4.550	43	256997	83.826	ug/l	97
26) 2,2-Dichloropropane	4.471	77	100344	16.447	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	74165	18.118	ug/l	96
28) Bromochloromethane	4.891	49	51123	17.016	ug/l	91
29) Tetrahydrofuran	4.995	42	166740	89.152	ug/l	98
30) Chloroform	5.087	83	116375	17.995	ug/l	97
31) Cyclohexane	5.471	56	108255	17.652	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	102382	17.660	ug/l	99
36) 1,1-Dichloropropene	5.690	75	85457	17.935	ug/l	99
37) Ethyl Acetate	4.709	43	98604	18.517	ug/l	100
38) Carbon Tetrachloride	5.672	117	87537	17.854	ug/l	98
39) Methylcyclohexane	7.379	83	109896	17.923	ug/l	99
40) Benzene	6.031	78	262922	18.621	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54605	18.405	ug/l	98
42) 1,2-Dichloroethane	6.080	62	89758	18.074	ug/l	100
43) Isopropyl Acetate	6.336	43	172171	18.322	ug/l	99
44) Trichloroethene	7.123	130	68481	18.899	ug/l	95
45) 1,2-Dichloropropane	7.428	63	71114	18.919	ug/l	99
46) Dibromomethane	7.580	93	47796	19.321	ug/l	88
47) Bromodichloromethane	7.818	83	92174	18.156	ug/l	97
48) Methyl methacrylate	7.690	41	77681	17.417	ug/l	95
49) 1,4-Dioxane	7.659	88	36660	412.093	ug/l #	98
51) 4-Methyl-2-Pentanone	8.568	43	509380	98.528	ug/l	98
52) Toluene	8.714	92	165054	19.292	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	104246	17.839	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	113185	18.092	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	67776	19.626	ug/l	99
56) Ethyl methacrylate	9.116	69	109151	18.684	ug/l	99
57) 1,3-Dichloropropane	9.305	76	116771	19.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	222161	87.786	ug/l	96
59) 2-Hexanone	9.427	43	377574	95.830	ug/l	99
60) Dibromochloromethane	9.519	129	72163	18.912	ug/l	99
61) 1,2-Dibromoethane	9.610	107	69192	18.945	ug/l	97
64) Tetrachloroethene	9.275	164	59562	18.971	ug/l	97
65) Chlorobenzene	10.080	112	177270	19.117	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	65094	18.134	ug/l	99
67) Ethyl Benzene	10.195	91	314267	18.865	ug/l	99
68) m/p-Xylenes	10.299	106	243935	38.263	ug/l	98
69) o-Xylene	10.640	106	119424	18.817	ug/l	95
70) Styrene	10.653	104	199997	19.375	ug/l	98
71) Bromoform	10.799	173	53590	18.289	ug/l	99
73) Isopropylbenzene	10.964	105	311240	18.384	ug/l	100
74) N-amyl acetate	10.842	43	146545	17.230	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	103843	17.933	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	84706m	15.154	ug/l	
77) Bromobenzene	11.195	156	76361	18.743	ug/l	89
78) n-propylbenzene	11.305	91	362384	18.405	ug/l	98
79) 2-Chlorotoluene	11.366	91	216430	17.926	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	262453	18.439	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	35614	16.368	ug/l	89
82) 4-Chlorotoluene	11.457	91	248928	18.102	ug/l	97
83) tert-Butylbenzene	11.713	119	263931	18.105	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	262292	18.225	ug/l	98
85) sec-Butylbenzene	11.890	105	329961	18.639	ug/l	98
86) p-Isopropyltoluene	12.006	119	273851	18.692	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	142840	18.695	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	145950	18.938	ug/l	97
89) n-Butylbenzene	12.329	91	236783	18.145	ug/l	99
90) Hexachloroethane	12.536	117	50502	16.486	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	141127	18.878	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20886	15.126	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	89395	18.626	ug/l	97
94) Hexachlorobutadiene	13.725	225	36327	18.258	ug/l	98
95) Naphthalene	13.774	128	292966	18.120	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	88643	18.603	ug/l	98

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

