

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037844.D
 Acq On : 21 Sep 2023 10:55
 Operator : JC/MD
 Sample : VX0921WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0921WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 04:38:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	243148	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	396160	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138916	43.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.960%		
35) Dibromofluoromethane	5.385	113	117568	44.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.700%		
50) Toluene-d8	8.647	98	441437	44.820	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.640%#		
62) 4-Bromofluorobenzene	11.079	95	166206	46.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	45691	17.828	ug/l	98
3) Chloromethane	1.300	50	48532	17.404	ug/l	98
4) Vinyl Chloride	1.374	62	53423	17.758	ug/l	99
5) Bromomethane	1.611	94	41613	19.322	ug/l	100
6) Chloroethane	1.691	64	35713	17.232	ug/l	100
7) Trichlorofluoromethane	1.892	101	89541	18.514	ug/l	99
8) Diethyl Ether	2.136	74	33699	17.985	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	46790	19.063	ug/l	94
10) Methyl Iodide	2.453	142	56268	17.323	ug/l	92
11) Tert butyl alcohol	2.953	59	54378	79.302	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	44191	18.629	ug/l	88
13) Acrolein	2.233	56	67439	99.553	ug/l	99
14) Allyl chloride	2.666	41	70783	17.916	ug/l	# 96
15) Acrylonitrile	3.062	53	133443	87.527	ug/l	99
16) Acetone	2.380	43	133341	86.766	ug/l	# 88
17) Carbon Disulfide	2.514	76	100253	16.857	ug/l	97
18) Methyl Acetate	2.703	43	96321	17.374	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	160326	18.373	ug/l	100
20) Methylene Chloride	2.794	84	53713	18.889	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	50548	19.190	ug/l	90
22) Diisopropyl ether	3.757	45	152757	18.562	ug/l	90
23) Vinyl Acetate	3.721	43	554083	91.536	ug/l	96
24) 1,1-Dichloroethane	3.611	63	91556	18.566	ug/l	100
25) 2-Butanone	4.550	43	182069	83.954	ug/l	93
26) 2,2-Dichloropropane	4.477	77	73961	18.561	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	60882	18.853	ug/l	89
28) Bromochloromethane	4.897	49	41726	18.137	ug/l	# 81
29) Tetrahydrofuran	5.007	42	111839	82.908	ug/l	88
30) Chloroform	5.092	83	100110	18.845	ug/l	99
31) Cyclohexane	5.476	56	75369	18.382	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	85697	19.052	ug/l	97
36) 1,1-Dichloropropene	5.696	75	71272	19.518	ug/l	97
37) Ethyl Acetate	4.721	43	69079	17.208	ug/l	95
38) Carbon Tetrachloride	5.678	117	73801	19.317	ug/l	97
39) Methylcyclohexane	7.379	83	87008	18.774	ug/l	92
40) Benzene	6.043	78	212405	18.916	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	37134	18.142	ug/l #	90
42) 1,2-Dichloroethane	6.092	62	74678	18.400	ug/l	96
43) Isopropyl Acetate	6.336	43	115089	17.930	ug/l	96
44) Trichloroethene	7.129	130	57507	18.390	ug/l	94
45) 1,2-Dichloropropane	7.427	63	54769	18.782	ug/l	99
46) Dibromomethane	7.580	93	40561	19.336	ug/l	93
47) Bromodichloromethane	7.824	83	73659	19.066	ug/l	94
48) Methyl methacrylate	7.696	41	54205	17.665	ug/l #	85
49) 1,4-Dioxane	7.659	88	26491	329.304	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	362080	88.908	ug/l	95
52) Toluene	8.720	92	137030	18.935	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	78227	19.365	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	84505	18.902	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	58325	19.116	ug/l	95
56) Ethyl methacrylate	9.116	69	83204	18.267	ug/l	92
57) 1,3-Dichloropropane	9.311	76	93722	18.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	192219	90.374	ug/l	98
59) 2-Hexanone	9.427	43	281951	88.919	ug/l	95
60) Dibromochloromethane	9.525	129	58119	19.121	ug/l	99
61) 1,2-Dibromoethane	9.610	107	61461	19.026	ug/l	98
64) Tetrachloroethene	9.275	164	48961	18.991	ug/l	95
65) Chlorobenzene	10.079	112	152924	18.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	55516	19.211	ug/l	99
67) Ethyl Benzene	10.195	91	270669	19.145	ug/l	100
68) m/p-Xylenes	10.299	106	209996	38.440	ug/l	97
69) o-Xylene	10.640	106	102324	18.679	ug/l	98
70) Styrene	10.652	104	171803	19.535	ug/l	96
71) Bromoform	10.799	173	41886	18.348	ug/l #	99
73) Isopropylbenzene	10.963	105	274034	18.013	ug/l	99
74) N-amyl acetate	10.841	43	103433	16.788	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	92299	17.251	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80349m	16.753	ug/l	
77) Bromobenzene	11.195	156	67669	17.971	ug/l	87
78) n-propylbenzene	11.305	91	325428	18.941	ug/l	100
79) 2-Chlorotoluene	11.366	91	188320	17.777	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	234954	18.288	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23815	15.907	ug/l	93
82) 4-Chlorotoluene	11.457	91	221041	18.534	ug/l	95
83) tert-Butylbenzene	11.713	119	230461	17.749	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	234233	18.325	ug/l	98
85) sec-Butylbenzene	11.890	105	297609	18.893	ug/l	99
86) p-Isopropyltoluene	12.012	119	248733	18.952	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	132267	18.844	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	134158	18.678	ug/l	98
89) n-Butylbenzene	12.329	91	229723	19.980	ug/l	97
90) Hexachloroethane	12.536	117	39585	17.801	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	128750	17.966	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18259	17.120	ug/l	77
93) 1,2,4-Trichlorobenzene	13.585	180	88516	20.969	ug/l	97
94) Hexachlorobutadiene	13.725	225	38406	19.483	ug/l	98
95) Naphthalene	13.774	128	273234	19.139	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	85901	19.774	ug/l	99

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

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