

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110823\
 Data File : VX038645.D
 Acq On : 08 Nov 2023 11:00
 Operator : JC/MD
 Sample : VX1108WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 09 01:18:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	372099	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	6.757	114	562394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	539972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	306797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	213991	46.193	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.380%
35) Dibromofluoromethane	5.379	113	193236	47.706	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.420%
50) Toluene-d8	8.647	98	690114	47.612	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.220%
62) 4-Bromofluorobenzene	11.079	95	272342	48.462	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.920%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	72673	18.807	ug/l	100
3) Chloromethane	1.295	50	55207	16.529	ug/l	95
4) Vinyl Chloride	1.374	62	63138	17.757	ug/l	99
5) Bromomethane	1.605	94	52454	19.113	ug/l	99
6) Chloroethane	1.691	64	38697	17.189	ug/l	96
7) Trichlorofluoromethane	1.886	101	112364	18.330	ug/l	99
8) Diethyl Ether	2.130	74	36901	17.536	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	67012	18.489	ug/l	89
10) Methyl Iodide	2.453	142	90076	20.123	ug/l	92
11) Tert butyl alcohol	2.947	59	68635	72.476	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	62358	17.957	ug/l	82
13) Acrolein	2.233	56	57595	80.243	ug/l	99
14) Allyl chloride	2.660	41	86335	17.358	ug/l	# 94
15) Acrylonitrile	3.056	53	174454	87.289	ug/l	100
16) Acetone	2.374	43	175543	89.977	ug/l	# 89
17) Carbon Disulfide	2.508	76	163183	17.685	ug/l	100
18) Methyl Acetate	2.697	43	144043	17.330	ug/l	# 88
19) Methyl tert-butyl Ether	3.111	73	199536	17.968	ug/l	96
20) Methylene Chloride	2.788	84	68266	17.358	ug/l	# 82
21) trans-1,2-Dichloroethene	3.087	96	68416	18.097	ug/l	86
22) Diisopropyl ether	3.758	45	169323	18.062	ug/l	# 84
23) Vinyl Acetate	3.715	43	614620	92.372	ug/l	# 94
24) 1,1-Dichloroethane	3.605	63	110115	17.755	ug/l	98
25) 2-Butanone	4.544	43	244693	86.579	ug/l	# 86
26) 2,2-Dichloropropane	4.471	77	96945	17.902	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	78053	17.879	ug/l	86
28) Bromochloromethane	4.891	49	54664	19.612	ug/l	# 61
29) Tetrahydrofuran	4.995	42	149558	85.053	ug/l	# 81
30) Chloroform	5.087	83	127773	17.559	ug/l	99
31) Cyclohexane	5.465	56	93687	18.273	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	113979	17.798	ug/l	96
36) 1,1-Dichloropropene	5.684	75	90474	17.981	ug/l	94
37) Ethyl Acetate	4.709	43	91743	17.859	ug/l	# 94
38) Carbon Tetrachloride	5.672	117	103844	18.462	ug/l	96
39) Methylcyclohexane	7.373	83	113153	17.987	ug/l	90
40) Benzene	6.038	78	259741	17.923	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.910	41	46367	17.716	ug/l	#	86
42) 1,2-Dichloroethane	6.080	62	97312	18.610	ug/l		95
43) Isopropyl Acetate	6.330	43	139699	17.688	ug/l	#	92
44) Trichloroethene	7.123	130	81557	18.087	ug/l		90
45) 1,2-Dichloropropane	7.428	63	62482	17.835	ug/l		99
46) Dibromomethane	7.574	93	53142	18.138	ug/l	#	86
47) Bromodichloromethane	7.818	83	96967	17.598	ug/l		94
48) Methyl methacrylate	7.690	41	68523	18.003	ug/l	#	85
49) 1,4-Dioxane	7.653	88	25349	292.557	ug/l	#	84
51) 4-Methyl-2-Pentanone	8.568	43	463621	90.100	ug/l		92
52) Toluene	8.714	92	176406	18.582	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	100270	17.875	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	107959	18.230	ug/l	#	88
55) 1,1,2-Trichloroethane	9.147	97	73648	18.283	ug/l		97
56) Ethyl methacrylate	9.110	69	104118	18.474	ug/l		88
57) 1,3-Dichloropropane	9.305	76	113952	18.162	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	236720	85.429	ug/l		91
59) 2-Hexanone	9.427	43	374143	89.862	ug/l		91
60) Dibromochloromethane	9.519	129	82586	18.264	ug/l		99
61) 1,2-Dibromoethane	9.604	107	83820	18.515	ug/l		100
64) Tetrachloroethene	9.269	164	73691	18.232	ug/l		96
65) Chlorobenzene	10.080	112	204325	18.588	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	75263	18.214	ug/l		99
67) Ethyl Benzene	10.189	91	345283	18.570	ug/l		99
68) m/p-Xylenes	10.299	106	273537	37.067	ug/l		96
69) o-Xylene	10.640	106	132653	18.485	ug/l		96
70) Styrene	10.653	104	220022	18.577	ug/l		95
71) Bromoform	10.799	173	63990	17.545	ug/l	#	99
73) Isopropylbenzene	10.957	105	350139	18.603	ug/l		97
74) N-amyl acetate	10.842	43	119802	18.319	ug/l		93
75) 1,1,2,2-Tetrachloroethane	11.207	83	116751	17.943	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	97723m	16.083	ug/l		
77) Bromobenzene	11.195	156	92831	17.971	ug/l		82
78) n-propylbenzene	11.299	91	407279	18.595	ug/l		96
79) 2-Chlorotoluene	11.360	91	243160	18.543	ug/l		94
80) 1,3,5-Trimethylbenzene	11.451	105	300676	18.561	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	31993	18.060	ug/l		89
82) 4-Chlorotoluene	11.451	91	287864	18.791	ug/l		94
83) tert-Butylbenzene	11.713	119	305064	18.585	ug/l		95
84) 1,2,4-Trimethylbenzene	11.750	105	301051	18.738	ug/l		95
85) sec-Butylbenzene	11.890	105	379503	18.529	ug/l		97
86) p-Isopropyltoluene	12.006	119	326848	18.733	ug/l		96
87) 1,3-Dichlorobenzene	11.969	146	180168	18.243	ug/l		97
88) 1,4-Dichlorobenzene	12.037	146	181744	17.904	ug/l		97
89) n-Butylbenzene	12.329	91	286181	18.432	ug/l		97
90) Hexachloroethane	12.536	117	53481	18.096	ug/l		78
91) 1,2-Dichlorobenzene	12.335	146	173163	17.953	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27729	16.956	ug/l		69
93) 1,2,4-Trichlorobenzene	13.585	180	126453	18.330	ug/l		96
94) Hexachlorobutadiene	13.725	225	53108	17.841	ug/l		99
95) Naphthalene	13.774	128	380330	18.277	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	121980	17.939	ug/l		97

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

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