

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101723\
 Data File : VX038320.D
 Acq On : 17 Oct 2023 11:27
 Operator : JC/MD
 Sample : 04699-09 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Oct 18 07:37:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 07:37:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 10/18/2023

Supervised By :Semsetun
 Yesilyurt
 10/20/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	121972	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212537	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106136	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	99622	50.780	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.560%	
35) Dibromofluoromethane	5.391	113	76866	50.191	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.380%	
50) Toluene-d8	8.647	98	283658	48.471	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.940%	
62) 4-Bromofluorobenzene	11.079	95	103432	46.621	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.240%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	306	0.260	ug/l #	70
3) Chloromethane	1.301	50	348	0.290	ug/l	96
4) Vinyl Chloride	1.374	62	447	0.336	ug/l	98
5) Bromomethane	1.611	94	457	0.252	ug/l	94
6) Chloroethane	1.697	64	546	0.463	ug/l	95
7) Trichlorofluoromethane	1.892	101	792	0.301	ug/l #	83
8) Diethyl Ether	2.130	74	312	0.318	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.337	101	319	0.278	ug/l #	84
10) Methyl Iodide	2.459	142	463	0.280	ug/l #	76
11) Tert butyl alcohol	2.940	59	1659	3.473	ug/l #	82
12) 1,1-Dichloroethene	2.325	96	322	0.289	ug/l #	46
13) Acrolein	2.233	56	260	0.932	ug/l #	65
14) Allyl chloride	2.666	41	442	0.221	ug/l #	78
15) Acrylonitrile	3.075	53	1064	1.192	ug/l #	88
16) Acetone	2.380	43	1564	1.910	ug/l	99
17) Carbon Disulfide	2.514	76	961	0.299	ug/l #	76
18) Methyl Acetate	2.703	43	899	0.256	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	1013	0.228	ug/l #	90
20) Methylene Chloride	2.788	84	755	0.490	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	330	0.239	ug/l #	91
23) Vinyl Acetate	3.739	43	2817	0.918	ug/l #	73
24) 1,1-Dichloroethane	3.599	63	534	0.210	ug/l #	83
25) 2-Butanone	4.593	43	1727m	1.307	ug/l	
27) cis-1,2-Dichloroethene	4.501	96	398	0.242	ug/l	48
29) Tetrahydrofuran	5.019	42	926	1.077	ug/l #	69
30) Chloroform	5.105	83	652m	0.235	ug/l	
31) Cyclohexane	5.483	56	432	0.203	ug/l #	70
32) 1,1,1-Trichloroethane	5.397	97	515m	0.217	ug/l	
36) 1,1-Dichloropropene	5.714	75	624m	0.295	ug/l	
37) Ethyl Acetate	4.739	43	564	0.225	ug/l #	69
38) Carbon Tetrachloride	5.690	117	496m	0.239	ug/l	
39) Methylcyclohexane	7.385	83	702	0.284	ug/l #	67
41) Methacrylonitrile	4.946	41	254m	0.204	ug/l	
42) 1,2-Dichloroethane	6.098	62	736	0.312	ug/l #	77
44) Trichloroethene	7.141	130	473	0.306	ug/l	78
45) 1,2-Dichloropropane	7.446	63	324	0.212	ug/l #	44

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) Dibromomethane	7.598	93	260	0.219	ug/l	#	82
47) Bromodichloromethane	7.824	83	446	0.211	ug/l	#	85
49) 1,4-Dioxane	7.677	88	117	2.656	ug/l	#	32
51) 4-Methyl-2-Pentanone	8.580	43	2442	0.946	ug/l		95
52) Toluene	8.720	92	1000	0.260	ug/l		96
54) cis-1,3-Dichloropropene	8.372	75	503	0.211	ug/l		92
55) 1,1,2-Trichloroethane	9.165	97	425	0.258	ug/l		92
57) 1,3-Dichloropropane	9.317	76	537	0.202	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.257	63	823	0.664	ug/l	#	88
59) 2-Hexanone	9.439	43	1735	0.836	ug/l		96
64) Tetrachloroethene	9.275	164	360	0.268	ug/l	#	86
65) Chlorobenzene	10.086	112	1163	0.267	ug/l		97
67) Ethyl Benzene	10.195	91	1792	0.231	ug/l		99
68) m/p-Xylenes	10.305	106	1156	0.385	ug/l	#	70
71) Bromoform	10.799	173	243	0.201	ug/l	#	29
73) Isopropylbenzene	10.963	105	1508	0.212	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.219	83	668	0.256	ug/l	#	90
76) 1,2,3-Trichloropropane	11.238	75	767m	0.318	ug/l		
77) Bromobenzene	11.201	156	572	0.329	ug/l		91
78) n-propylbenzene	11.305	91	2023	0.232	ug/l		97
79) 2-Chlorotoluene	11.366	91	1317	0.255	ug/l		88
80) 1,3,5-Trimethylbenzene	11.451	105	1366	0.222	ug/l		100
82) 4-Chlorotoluene	11.457	91	1607	0.263	ug/l		96
83) tert-Butylbenzene	11.713	119	1522	0.254	ug/l		89
84) 1,2,4-Trimethylbenzene	11.756	105	1247	0.204	ug/l		82
85) sec-Butylbenzene	11.890	105	1882	0.242	ug/l		97
86) p-Isopropyltoluene	12.012	119	1543	0.241	ug/l	#	76
87) 1,3-Dichlorobenzene	11.969	146	942	0.270	ug/l		92
88) 1,4-Dichlorobenzene	12.036	146	1185m	0.333	ug/l		
89) n-Butylbenzene	12.335	91	1482	0.232	ug/l		89
91) 1,2-Dichlorobenzene	12.341	146	791	0.236	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	722	0.321	ug/l		91
94) Hexachlorobutadiene	13.725	225	254	0.280	ug/l		87
95) Naphthalene	13.780	128	1786	0.228	ug/l	#	92
96) 1,2,3-Trichlorobenzene	13.963	180	598	0.274	ug/l		90

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

