

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071323\
 Data File : VX036520.D
 Acq On : 13 Jul 2023 12:12
 Operator : JC/MD
 Sample : 03573-02 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 14 07:40:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 14 07:34:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Semsettin Yesilyurt 07/14/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	295358	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	266109	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	129989	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	106492	50.547	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.100%			
7) Chloroethane-d5	1.666	69	97078	41.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.880%			
11) 1,1-Dichloroethene-d2	2.307	65	45264	50.353	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 100.700%			
21) 2-Butanone-d5	4.459	46	155097	105.409	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.410%			
24) Chloroform-d	5.062	84	177999	46.525	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.040%			
26) 1,2-Dichloroethane-d4	5.952	65	129777	49.664	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.320%			
32) Benzene-d6	5.977	84	386084	51.247	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.500%			
36) 1,2-Dichloropropane-d6	7.312	67	124874	52.290	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.580%			
41) Toluene-d8	8.647	98	365023	50.755	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.500%			
43) trans-1,3-Dichloroprop...	8.952	79	54082	47.566	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.140%			
47) 2-Hexanone-d5	9.384	63	112345	106.959	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.960%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	165321	52.619	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.240%			
66) 1,2-Dichlorobenzene-d4	12.323	152	128306	51.960	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4841	2.350	ug/L	98
3) Chloromethane	1.301	50	6024	2.473	ug/L	92
5) Vinyl chloride	1.380	62	6559	2.596	ug/L #	58
6) Bromomethane	1.612	94	5690	2.384	ug/L	99
8) Chloroethane	1.685	64	3748	2.026	ug/L	98
9) Trichlorofluoromethane	1.886	101	10095	2.525	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	6244	3.298	ug/L #	84
12) 1,1-Dichloroethene	2.319	96	5414	2.924	ug/L #	1
13) Acetone	2.386	43	5227	4.684	ug/L	97
14) Carbon disulfide	2.514	76	10974	2.210	ug/L #	92
15) Methyl Acetate	2.703	43	5499	2.479	ug/L	98
16) Methylene chloride	2.788	84	5862	2.869	ug/L	88
17) trans-1,2-Dichloroethene	3.093	96	4163	2.232	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	14528	2.241	ug/L	99
19) 1,1-Dichloroethane	3.611	63	7973	2.185	ug/L #	87
20) cis-1,2-Dichloroethene	4.495	96	5107	2.343	ug/L #	81
22) 2-Butanone	4.574	43	7797m	4.805	ug/L	
23) Bromochloromethane	4.910	128	2320	2.129	ug/L #	90
25) Chloroform	5.099	83	21106	5.508	ug/L	91

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27) 1,2-Dichloroethane	6.092	62	7148m	2.358	ug/L	
29) Cyclohexane	5.471	56	7484	2.543	ug/L #	91
30) 1,1,1-Trichloroethane	5.385	97	7351	2.377	ug/L	97
31) Carbon tetrachloride	5.678	117	5758	2.222	ug/L	98
33) Benzene	6.038	78	18627	2.397	ug/L	100
35) Methylcyclohexane	7.379	83	7988	2.588	ug/L	98
37) 1,2-Dichloropropane	7.434	63	5113	2.393	ug/L #	94
38) Bromodichloromethane	7.824	83	5312	1.994	ug/L	90
39) cis-1,3-Dichloropropene	8.366	75	7778	2.311	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	13882	4.662	ug/L	97
42) Toluene	8.720	91	19807	2.396	ug/L	95
44) trans-1,3-Dichloropropene	8.982	75	7473m	2.411	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	4971	2.448	ug/L	78
46) Tetrachloroethene	9.275	164	3519	2.337	ug/L	96
48) 2-Hexanone	9.433	43	11234	4.828	ug/L	96
49) Dibromochloromethane	9.519	129	4372	2.145	ug/L	88
50) 1,2-Dibromoethane	9.610	107	4759	2.187	ug/L	91
51) Chlorobenzene	10.079	112	12705	2.364	ug/L	97
52) Ethylbenzene	10.195	91	20906	2.298	ug/L	99
53) m,p-Xylene	10.305	106	8372	2.412	ug/L	92
54) o-Xylene	10.640	106	7947	2.308	ug/L	93
55) Styrene	10.659	104	12110	2.110	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.213	83	7995	2.535	ug/L #	97
59) Bromoform	10.805	173	2828	1.990	ug/L #	98
60) Isopropylbenzene	10.963	105	20857	2.387	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	6261	2.551	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	15830	2.168	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	15938	2.176	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	9015	2.306	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	9476	2.401	ug/L	91
67) 1,2-Dichlorobenzene	12.335	146	9524	2.455	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.939	75	1543	2.360	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.116	180	5920	2.282	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	5261	2.150	ug/L	91
71) Naphthalene	13.774	128	16994	2.035	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	5542	2.324	ug/L	95

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

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