

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071223\
 Data File : VX036513.D
 Acq On : 12 Jul 2023 13:29
 Operator : JC/MD
 Sample : 03573-01 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 13 01:29:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 01:12:57 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Semsettin Yesilyurt 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	298715	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	271866	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	132871	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	115408	54.163	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 108.320%	
7) Chloroethane-d5	1.666	69	100784	43.051	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 86.100%	
11) 1,1-Dichloroethene-d2	2.307	65	47648	52.409	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.820%	
21) 2-Butanone-d5	4.453	46	151358	101.712	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 101.710%	
24) Chloroform-d	5.056	84	185053	47.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 95.640%	
26) 1,2-Dichloroethane-d4	5.952	65	130472	49.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.740%	
32) Benzene-d6	5.971	84	395977	51.447	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.900%	
36) 1,2-Dichloropropane-d6	7.306	67	124305	50.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 101.900%	
41) Toluene-d8	8.647	98	375652	51.126	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.260%	
43) trans-1,3-Dichloroprop...	8.952	79	55862	48.091	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 96.180%	
47) 2-Hexanone-d5	9.385	63	114582	106.778	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 106.780%	
56) 1,1,2,2-Tetrachloroeth...	11.189	84	166383	51.835	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 103.680%	
66) 1,2-Dichlorobenzene-d4	12.323	152	133093	52.729	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5355	2.570	ug/L	92
3) Chloromethane	1.295	50	6773	2.750	ug/L	85
5) Vinyl chloride	1.374	62	7638	2.989	ug/L #	81
6) Bromomethane	1.612	94	6050	2.506	ug/L	94
8) Chloroethane	1.691	64	4289	2.293	ug/L	99
9) Trichlorofluoromethane	1.886	101	11473	2.838	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6808	3.555	ug/L #	85
12) 1,1-Dichloroethene	2.319	96	5851	3.125	ug/L #	1
13) Acetone	2.386	43	5640	4.998	ug/L	97
14) Carbon disulfide	2.508	76	13471	2.682	ug/L #	94
15) Methyl Acetate	2.703	43	5777	2.575	ug/L	93
16) Methylene chloride	2.788	84	5884	2.848	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	5175	2.744	ug/L	99
18) Methyl tert-butyl Ether	3.117	73	15662	2.388	ug/L	98
19) 1,1-Dichloroethane	3.605	63	9629	2.609	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	5693	2.583	ug/L	90
22) 2-Butanone	4.568	43	8408m	5.123	ug/L	
23) Bromochloromethane	4.910	128	2839m	2.577	ug/L	
25) Chloroform	5.093	83	18378	4.742	ug/L	99

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27) 1,2-Dichloroethane	6.093	62	8007	2.612	ug/L #	93
29) Cyclohexane	5.471	56	8863m	2.948	ug/L	
30) 1,1,1-Trichloroethane	5.379	97	7796	2.467	ug/L	96
31) Carbon tetrachloride	5.678	117	6504	2.456	ug/L	97
33) Benzene	6.044	78	20333	2.561	ug/L	100
34) Trichloroethene	7.123	95	5801	2.679	ug/L	87
35) Methylcyclohexane	7.379	83	8778	2.784	ug/L	96
37) 1,2-Dichloropropane	7.434	63	5605	2.568	ug/L #	91
38) Bromodichloromethane	7.824	83	6634	2.438	ug/L	89
39) cis-1,3-Dichloropropene	8.366	75	8344	2.426	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	14779	4.858	ug/L	98
42) Toluene	8.720	91	22079	2.614	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	7527	2.377	ug/L	92
45) 1,1,2-Trichloroethane	9.153	97	5110	2.463	ug/L	94
46) Tetrachloroethene	9.275	164	4600	2.990	ug/L	87
48) 2-Hexanone	9.433	43	12276	5.164	ug/L	98
49) Dibromochloromethane	9.519	129	5135	2.466	ug/L	95
50) 1,2-Dibromoethane	9.610	107	5408	2.432	ug/L #	95
51) Chlorobenzene	10.080	112	14477	2.636	ug/L	97
52) Ethylbenzene	10.195	91	24927	2.682	ug/L	93
53) m,p-Xylene	10.299	106	9072	2.558	ug/L	89
54) o-Xylene	10.647	106	8560	2.434	ug/L	98
55) Styrene	10.659	104	14545	2.481	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.214	83	9014	2.797	ug/L #	92
59) Bromoform	10.799	173	3159	2.175	ug/L	93
60) Isopropylbenzene	10.964	105	24062	2.694	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	6655	2.653	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	19231	2.576	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	18284	2.442	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	10582	2.648	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	11379	2.820	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	10769	2.716	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	1504	2.250	ug/L	95
69) 1,3,5-Trichlorobenzene	13.110	180	7156	2.699	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	6490	2.595	ug/L	94
71) Naphthalene	13.774	128	20524	2.405	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	6702	2.750	ug/L	93

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

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