

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041023\
 Data File : VX034994.D
 Acq On : 10 Apr 2023 14:47
 Operator : JC/MD
 Sample : 02215-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Quant Time: Apr 11 05:50:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 05:31:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/11/2023
 Supervised By : Semsettin Yesilyurt 04/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	541085	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	471090	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	228072	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	159014	44.122	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.240%		
7) Chloroethane-d5	1.672	69	121546	46.046	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.100%		
11) 1,1-Dichloroethene-d2	2.307	63	249958	34.215	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.440%		
21) 2-Butanone-d5	4.459	46	226955	94.750	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.750%		
24) Chloroform-d	5.050	84	298859	43.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.040%		
26) 1,2-Dichloroethane-d4	5.952	65	209085	44.349	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.700%		
32) Benzene-d6	5.971	84	605641	46.054	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.100%		
36) 1,2-Dichloropropane-d6	7.306	67	185113	45.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.520%		
41) Toluene-d8	8.647	98	546893	45.403	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.800%		
43) trans-1,3-Dichloroprop...	8.946	79	78624	42.321	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.640%		
47) 2-Hexanone-d5	9.385	63	154042	95.268	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.270%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	227051	45.162	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.320%		
66) 1,2-Dichlorobenzene-d4	12.317	152	193934	46.340	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12875	2.740	ug/L	94
3) Chloromethane	1.295	50	12433	2.815	ug/L	96
5) Vinyl chloride	1.374	62	12461	2.784	ug/L	83
6) Bromomethane	1.618	94	7146	2.825	ug/L	91
8) Chloroethane	1.691	64	7146	2.837	ug/L	92
9) Trichlorofluoromethane	1.886	101	17196	2.761	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	12781	3.307	ug/L	90
12) 1,1-Dichloroethene	2.319	96	11512	3.347	ug/L #	1
13) Acetone	2.392	43	14509	6.126	ug/L	98
14) Carbon disulfide	2.508	76	23002	2.487	ug/L	100
15) Methyl Acetate	2.709	43	10998	2.706	ug/L	96
16) Methylene chloride	2.788	84	11390	3.018	ug/L	90
17) trans-1,2-Dichloroethene	3.093	96	9308	2.631	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	33705	2.726	ug/L	98
19) 1,1-Dichloroethane	3.611	63	18621	2.643	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	10824	2.675	ug/L	92
22) 2-Butanone	4.574	43	15534	5.135	ug/L	94
23) Bromochloromethane	4.891	128	5584	2.789	ug/L	91
25) Chloroform	5.087	83	24349	3.370	ug/L	98

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27) 1,2-Dichloroethane	6.086	62	17482m	2.857	ug/L	
29) Cyclohexane	5.464	56	17272	2.666	ug/L #	94
30) 1,1,1-Trichloroethane	5.379	97	16033	2.574	ug/L	98
31) Carbon tetrachloride	5.666	117	13326	2.482	ug/L	100
33) Benzene	6.038	78	40240	2.678	ug/L	100
34) Trichloroethene	7.123	95	11470	2.832	ug/L	87
35) Methylcyclohexane	7.379	83	16551	2.834	ug/L	98
37) 1,2-Dichloropropane	7.428	63	10416	2.616	ug/L #	97
38) Bromodichloromethane	7.818	83	12143	2.411	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	15009	2.467	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	27691	5.235	ug/L	99
42) Toluene	8.714	91	43047	2.767	ug/L	95
44) trans-1,3-Dichloropropene	8.976	75	14496	2.588	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	10274	2.768	ug/L	95
46) Tetrachloroethene	9.269	164	8254	2.735	ug/L	93
48) 2-Hexanone	9.433	43	23618m	5.696	ug/L	
49) Dibromochloromethane	9.519	129	8859	2.426	ug/L	91
50) 1,2-Dibromoethane	9.610	107	9924	2.547	ug/L	84
51) Chlorobenzene	10.080	112	27338	2.726	ug/L	96
52) Ethylbenzene	10.195	91	48180	2.729	ug/L	100
53) m,p-Xylene	10.299	106	17634	2.650	ug/L	98
54) o-Xylene	10.640	106	17045	2.600	ug/L	87
55) Styrene	10.653	104	28132	2.560	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	15866	2.878	ug/L #	97
59) Bromoform	10.799	173	5054	2.078	ug/L	95
60) Isopropylbenzene	10.964	105	45504	2.732	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	12187	2.787	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	36632	2.653	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	35458	2.600	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	20159	2.717	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	20857	2.780	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	20956	2.867	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	2459	2.197	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.109	180	12541	2.702	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	11007	2.550	ug/L	94
71) Naphthalene	13.774	128	36067	2.445	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	11035	2.546	ug/L	98

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

