

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031688.D
 Acq On : 12 Jul 2023 12:13
 Operator : SY/MD
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 13 05:06:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	273291	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	293186	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	134834	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	110539	44.688	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.380%		
7) Chloroethane-d5	1.532	69	100451	56.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	112.240%		
11) 1,1-Dichloroethene-d2	2.059	65	55824	50.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.320%		
21) 2-Butanone-d5	3.796	46	158032	99.973	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.970%		
24) Chloroform-d	4.256	84	243995	49.426	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.860%		
26) 1,2-Dichloroethane-d4	4.947	65	156388	50.382	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.760%		
32) Benzene-d6	4.966	84	421137	47.908	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.820%		
36) 1,2-Dichloropropane-d6	5.995	67	151956	53.465	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.920%		
41) Toluene-d8	7.249	98	352941	44.656	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.320%		
43) trans-1,3-Dichloroprop...	7.558	79	62472	44.019	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.040%		
47) 2-Hexanone-d5	8.034	63	95450	87.618	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.620%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	199706	46.392	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.780%		
66) 1,2-Dichlorobenzene-d4	11.567	152	136080	55.024	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	9291	2.735	ug/L	99
3) Chloromethane	1.217	50	9421	2.680	ug/L	93
5) Vinyl chloride	1.285	62	8924	2.711	ug/L #	81
6) Bromomethane	1.487	94	5805	3.087	ug/L	95
8) Chloroethane	1.551	64	5937	3.271	ug/L	83
9) Trichlorofluoromethane	1.715	101	14018	2.972	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8649	3.186	ug/L	94
12) 1,1-Dichloroethene	2.072	96	8475	3.592	ug/L #	1
13) Acetone	2.124	43	7909	5.790	ug/L	94
14) Carbon disulfide	2.243	76	21339	2.747	ug/L	99
15) Methyl Acetate	2.387	43	7861	2.730	ug/L #	51
16) Methylene chloride	2.452	84	9231	3.309	ug/L	89
17) trans-1,2-Dichloroethene	2.703	96	6082	2.523	ug/L	89
18) Methyl tert-butyl Ether	2.712	73	17003	2.318	ug/L #	96
19) 1,1-Dichloroethane	3.117	63	13649	2.770	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	7047	2.850	ug/L	93
22) 2-Butanone	3.902	43	10658m	5.631	ug/L	
23) Bromochloromethane	4.159	128	3830	2.849	ug/L	89
25) Chloroform	4.288	83	17421	3.447	ug/L	91

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27) 1,2-Dichloroethane	5.063	62	11681m	3.111	ug/L	
29) Cyclohexane	4.584	56	7968	2.073	ug/L	91
30) 1,1,1-Trichloroethane	4.526	97	12777	2.789	ug/L #	88
31) Carbon tetrachloride	4.744	117	11116	2.738	ug/L	99
33) Benzene	5.021	78	28085	2.809	ug/L	100
34) Trichloroethene	5.844	95	7561	2.688	ug/L #	45
35) Methylcyclohexane	6.056	83	9386m	2.451	ug/L	
37) 1,2-Dichloropropane	6.108	63	7327	2.621	ug/L #	93
38) Bromodichloromethane	6.442	83	10698	2.823	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	10481m	2.479	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	14970	4.306	ug/L #	89
42) Toluene	7.326	91	25324	2.453	ug/L	94
44) trans-1,3-Dichloropropene	7.593	75	10980m	2.603	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	8138	2.941	ug/L	93
46) Tetrachloroethene	7.918	164	5439	2.543	ug/L	93
48) 2-Hexanone	8.091	43	16944	5.799	ug/L #	89
49) Dibromochloromethane	8.185	129	7113	2.314	ug/L	92
50) 1,2-Dibromoethane	8.294	107	8146	2.671	ug/L #	92
51) Chlorobenzene	8.821	112	17488	2.555	ug/L	97
52) Ethylbenzene	8.956	91	23416	2.084	ug/L	97
53) m,p-Xylene	9.082	106	7734	1.867	ug/L	94
54) o-Xylene	9.487	106	7358	1.918	ug/L	93
55) Styrene	9.506	104	12206	1.728	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.181	83	12103	2.817	ug/L	94
59) Bromoform	9.673	173	3047m	1.768	ug/L	
60) Isopropylbenzene	9.873	105	19372	2.353	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	9621	3.431	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	15240	2.265	ug/L	91
63) 1,2,4-Trimethylbenzene	10.860	105	14642	2.185	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	11080	2.591	ug/L	88
65) 1,4-Dichlorobenzene	11.213	146	12096	2.608	ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	14107	3.216	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	2514	2.938	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	8857	2.765	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	7200	2.536	ug/L	97
71) Naphthalene	13.448	128	17367	2.114	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	6930	2.328	ug/L	93

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

