Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091523\
Data File : VV032134.D
Acq On : 15 Sep 2023 20:07
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050299

Quant Time: Sep 16 05:05:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 16 02:09:37 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	195442	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	193474	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	108664	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	79122	64.687	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 129.380%			
7) Chloroethane-d5	1.529	69	62701	58.477	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 116.960%			
11) 1,1-Dichloroethene-d2	2.060	65	32077	56.006	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 112.020%			
21) 2-Butanone-d5	3.786	46	110948	115.331	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 115.330%			
24) Chloroform-d	4.253	84	138146	51.673	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.340%			
26) 1,2-Dichloroethane-d4	4.944	65	83719	47.187	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.380%			
32) Benzene-d6	4.963	84	279122	52.871	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.740%			
36) 1,2-Dichloropropane-d6	5.992	67	90914	53.503	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.000%			
41) Toluene-d8	7.246	98	255219	52.467	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.940%			
43) trans-1,3-Dichloroprop...	7.555	79	41693	47.339	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.680%			
47) 2-Hexanone-d5	8.027	63	72163	138.558	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 138.560%#			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	122393	55.739	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 111.480%			
66) 1,2-Dichlorobenzene-d4	11.564	152	98039	49.492	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	50774	42.674	ug/L	97
3) Chloromethane	1.217	50	59664	49.177	ug/L	100
5) Vinyl chloride	1.282	62	62325	48.102	ug/L	97
6) Bromomethane	1.484	94	36842	48.293	ug/L	98
8) Chloroethane	1.548	64	43237	50.212	ug/L	99
9) Trichlorofluoromethane	1.712	101	90969	48.164	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	59780	52.420	ug/L	99
12) 1,1-Dichloroethene	2.069	96	49807	48.625	ug/L	95
13) Acetone	2.111	43	89797	104.874	ug/L	98
14) Carbon disulfide	2.240	76	97339	41.705	ug/L	99
15) Methyl Acetate	2.372	43	89625	58.691	ug/L	99
16) Methylene chloride	2.446	84	85732	65.131	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	54666	48.679	ug/L	92
18) Methyl tert-butyl Ether	2.706	73	235056	49.526	ug/L	98
19) 1,1-Dichloroethane	3.114	63	131803	52.372	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	72391	51.381	ug/L	94
22) 2-Butanone	3.870	43	124115	109.546	ug/L	96
23) Bromochloromethane	4.150	128	36004	52.673	ug/L	98
25) Chloroform	4.278	83	134229	51.298	ug/L	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 16 02:09:37 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	98520	47.792	ug/L	96
29) Cyclohexane	4.584	56	90631	44.991	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	107877	47.802	ug/L	99
31) Carbon tetrachloride	4.738	117	87188	45.499	ug/L	98
33) Benzene	5.015	78	265082	50.992	ug/L	100
34) Trichloroethene	5.838	95	72811	45.797	ug/L	100
35) Methylcyclohexane	6.053	83	87155	41.214	ug/L	96
37) 1,2-Dichloropropane	6.095	63	78603	53.345	ug/L	99
38) Bromodichloromethane	6.436	83	104199	49.820	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	114098	44.538	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	261470	111.800	ug/L	98
42) Toluene	7.317	91	283491	49.575	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	112655	45.768	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	81788	54.941	ug/L	99
46) Tetrachloroethene	7.908	164	48140	48.223	ug/L	97
48) 2-Hexanone	8.079	43	196771	110.173	ug/L	98
49) Dibromochloromethane	8.178	129	78023	51.005	ug/L	98
50) 1,2-Dibromoethane	8.285	107	80505	51.632	ug/L	100
51) Chlorobenzene	8.818	112	193543	50.936	ug/L	98
52) Ethylbenzene	8.950	91	327742	48.384	ug/L	99
53) m,p-Xylene	9.076	106	118787	47.230	ug/L	99
54) o-Xylene	9.481	106	122178	48.843	ug/L	99
55) Styrene	9.500	104	218629	49.440	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.182	83	129579	61.489	ug/L	100
59) Bromoform	9.667	173	54792	48.625	ug/L	99
60) Isopropylbenzene	9.870	105	335443	46.089	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	104960	51.126	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	270775	44.222	ug/L	98
63) 1,2,4-Trimethylbenzene	10.854	105	273169	44.348	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	154221	47.281	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	159689	48.146	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	158931	49.172	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	26339	42.712	ug/L	88
69) 1,3,5-Trichlorobenzene	12.587	180	106879	44.948	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	103873	45.509	ug/L	99
71) Naphthalene	13.442	128	331770	45.496	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	104916	47.970	ug/L	99

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

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