Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
Data File : VU055735.D
Acq On : 10 Oct 2023 20:51
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

Quant Time: Oct 11 05:57:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 11 05:51:51 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	450586	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	453790	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	270201	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	183071	45.297	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 90.600%			
7) Chloroethane-d5	1.885	69	144833	43.840	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 87.680%			
11) 1,1-Dichloroethene-d2	2.560	63	326500	45.307	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 90.620%			
21) 2-Butanone-d5	4.615	46	291165	97.225	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.230%			
24) Chloroform-d	5.055	84	359347	46.379	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.760%			
26) 1,2-Dichloroethane-d4	5.695	65	229045	48.027	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.060%			
32) Benzene-d6	5.721	84	696175	47.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.900%			
36) 1,2-Dichloropropane-d6	6.685	67	214071	46.573	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 93.140%			
41) Toluene-d8	7.894	98	632554	48.248	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.500%			
43) trans-1,3-Dichloroprop...	8.174	79	104187	47.186	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.380%			
47) 2-Hexanone-d5	8.634	63	219495	121.469	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 121.470%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	380434	53.771	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.540%			
66) 1,2-Dichlorobenzene-d4	12.190	152	266633	49.727	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	168773	44.985	ug/L	97
3) Chloromethane	1.518	50	165352	46.577	ug/L	99
5) Vinyl chloride	1.605	62	179820	46.027	ug/L	97
6) Bromomethane	1.830	94	80915	32.398	ug/L	94
8) Chloroethane	1.907	64	110705	43.200	ug/L	99
9) Trichlorofluoromethane	2.123	101	255220	45.723	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	155967	43.448	ug/L	99
12) 1,1-Dichloroethene	2.570	96	145632	45.590	ug/L	96
13) Acetone	2.618	43	194553	70.006	ug/L	98
14) Carbon disulfide	2.785	76	395923	40.728	ug/L	98
15) Methyl Acetate	2.939	43	198765	46.701	ug/L	96
16) Methylene chloride	3.036	84	172021	44.406	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	147606	45.189	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	521219	49.617	ug/L	99
19) 1,1-Dichloroethane	3.862	63	302143	45.105	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	173982	46.669	ug/L	98
22) 2-Butanone	4.695	43	289602	86.456	ug/L	98
23) Bromochloromethane	4.965	128	91802	47.548	ug/L	94
25) Chloroform	5.081	83	321175	45.898	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	262721	46.942	ug/L	98
29) Cyclohexane	5.383	56	248889	47.850	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	280017	47.762	ug/L	98
31) Carbon tetrachloride	5.518	117	235880	45.965	ug/L	97
33) Benzene	5.769	78	678627	47.309	ug/L	100
34) Trichloroethene	6.537	95	179679	45.779	ug/L	99
35) Methylcyclohexane	6.759	83	261108	45.851	ug/L	100
37) 1,2-Dichloropropane	6.785	63	181738	46.010	ug/L	99
38) Bromodichloromethane	7.100	83	236846	45.468	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	287581	47.855	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	577100	105.019	ug/L	97
42) Toluene	7.965	91	730797	48.281	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	272269	47.353	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	184625	47.402	ug/L	97
46) Tetrachloroethene	8.550	164	127107	45.231	ug/L	98
48) 2-Hexanone	8.682	43	504645	108.723	ug/L	95
49) Dibromochloromethane	8.804	129	185600	46.637	ug/L	98
50) 1,2-Dibromoethane	8.920	107	200092	47.829	ug/L	99
51) Chlorobenzene	9.444	112	467328	47.720	ug/L	99
52) Ethylbenzene	9.566	91	803157	48.535	ug/L	100
53) m,p-Xylene	9.692	106	311645	50.269	ug/L	98
54) o-Xylene	10.097	106	310658	51.783	ug/L	98
55) Styrene	10.113	104	542320	53.362	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	361828	54.254	ug/L	99
59) Bromoform	10.290	173	153550	46.163	ug/L	96
60) 1,2,3-Trichloropropane	10.820	75	297515	50.734	ug/L	98
61) Isopropylbenzene	10.479	105	822936	48.854	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	691231	50.714	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	692510	51.382	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	404176	48.538	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	405950	47.417	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	408046	49.379	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	79419	45.300	ug/L	95
69) 1,3,5-Trichlorobenzene	13.215	180	251705	45.317	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	202004	43.663	ug/L	99
71) Naphthalene	14.084	128	651343	47.394	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	200696	43.999	ug/L	99

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

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