Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091523\
Data File : VV032111.D
Acq On : 15 Sep 2023 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

Quant Time: Sep 16 02:07:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 15 08:00:54 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	227214	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	220769	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	121603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	97843	68.807	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 137.620%#			
7) Chloroethane-d5	1.529	69	77809	62.420	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.840%			
11) 1,1-Dichloroethene-d2	2.056	65	39825	59.811	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 119.620%			
21) 2-Butanone-d5	3.783	46	122523	109.553	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 109.550%			
24) Chloroform-d	4.249	84	167645	53.938	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.880%			
26) 1,2-Dichloroethane-d4	4.941	65	101034	48.983	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.960%			
32) Benzene-d6	4.960	84	342030	56.777	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.560%			
36) 1,2-Dichloropropane-d6	5.989	67	108873	56.150	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 112.300%			
41) Toluene-d8	7.243	98	314774	56.709	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.420%			
43) trans-1,3-Dichloroprop...	7.555	79	52649	52.388	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.780%			
47) 2-Hexanone-d5	8.027	63	81817	137.672	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 137.670%#			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	142211	56.757	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 113.520%			
66) 1,2-Dichlorobenzene-d4	11.564	152	119440	53.880	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	57933	41.882	ug/L	99
3) Chloromethane	1.214	50	64540	45.757	ug/L	99
5) Vinyl chloride	1.282	62	68018	45.155	ug/L	99
6) Bromomethane	1.484	94	41713	47.032	ug/L	98
8) Chloroethane	1.548	64	46115	46.066	ug/L	99
9) Trichlorofluoromethane	1.712	101	102676	46.761	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	67243	50.719	ug/L	99
12) 1,1-Dichloroethene	2.069	96	54543	45.803	ug/L	95
13) Acetone	2.111	43	103106	103.580	ug/L	97
14) Carbon disulfide	2.240	76	116743	43.024	ug/L	100
15) Methyl Acetate	2.372	43	91704	51.655	ug/L	98
16) Methylene chloride	2.445	84	76706	50.126	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	62319	47.734	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	261014	47.305	ug/L	98
19) 1,1-Dichloroethane	3.111	63	143946	49.199	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	82188	50.178	ug/L	94
22) 2-Butanone	3.863	43	132871	100.876	ug/L	97
23) Bromochloromethane	4.146	128	40554	51.033	ug/L	98
25) Chloroform	4.275	83	148040	48.665	ug/L	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	107441	44.831	ug/L	97
29) Cyclohexane	4.584	56	105432	45.867	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	120551	46.814	ug/L	99
31) Carbon tetrachloride	4.735	117	98708	45.142	ug/L	99
33) Benzene	5.011	78	292746	49.351	ug/L	100
34) Trichloroethene	5.834	95	80191	44.203	ug/L	98
35) Methylcyclohexane	6.050	83	106141	43.987	ug/L	97
37) 1,2-Dichloropropane	6.095	63	84975	50.539	ug/L	99
38) Bromodichloromethane	6.432	83	115123	48.238	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	139031	47.561	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	270405	101.326	ug/L	98
42) Toluene	7.317	91	320765	49.158	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	128876	45.885	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	88970	52.377	ug/L	99
46) Tetrachloroethene	7.905	164	55964	49.129	ug/L	99
48) 2-Hexanone	8.075	43	202427	99.327	ug/L	99
49) Dibromochloromethane	8.178	129	85917	49.221	ug/L	99
50) 1,2-Dibromoethane	8.284	107	87186	49.004	ug/L	97
51) Chlorobenzene	8.815	112	214213	49.406	ug/L	98
52) Ethylbenzene	8.947	91	369078	47.750	ug/L	99
53) m,p-Xylene	9.075	106	135359	47.165	ug/L	98
54) o-Xylene	9.481	106	135807	47.579	ug/L	98
55) Styrene	9.497	104	243006	48.159	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	138484	57.590	ug/L	99
59) Bromoform	9.667	173	61439	48.722	ug/L	99
60) Isopropylbenzene	9.870	105	380891	46.765	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	110522	48.107	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	309397	45.153	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	312611	45.351	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	178886	49.007	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	182588	49.193	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	179312	49.574	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	28499	41.298	ug/L	88
69) 1,3,5-Trichlorobenzene	12.587	180	128345	48.232	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	125142	48.994	ug/L	99
71) Naphthalene	13.442	128	393711	48.245	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	123127	50.306	ug/L	99

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

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