Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051123\
Data File : VU054154.D
Acq On : 11 May 2023 15:24
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

Quant Time: May 12 08:41:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 06 01:14:00 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	238152	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225274	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	130785	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43476	24.138	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	48.280%#		
7) Chloroethane-d5	1.903	69	40275	34.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	68.120%#		
11) 1,1-Dichloroethene-d2	2.565	63	103539	32.410	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.820%		
21) 2-Butanone-d5	4.617	46	97446	94.859	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.860%		
24) Chloroform-d	5.057	84	129691	39.205	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.400%		
26) 1,2-Dichloroethane-d4	5.697	65	81110	38.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	76.380%		
32) Benzene-d6	5.723	84	230592	34.775	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	69.560%#		
36) 1,2-Dichloropropane-d6	6.687	67	77120	36.841	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	73.680%		
41) Toluene-d8	7.893	98	214086	35.761	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	71.520%#		
43) trans-1,3-Dichloroprop...	8.176	79	41649	40.204	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.400%		
47) 2-Hexanone-d5	8.629	63	65309	87.105	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.100%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	121999	44.245	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.480%		
66) 1,2-Dichlorobenzene-d4	12.189	152	104705	40.982	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	74293	43.238	ug/L	99
3) Chloromethane	1.517	50	67973	43.044	ug/L	97
5) Vinyl chloride	1.604	62	75639	45.034	ug/L	97
6) Bromomethane	1.848	94	37512	40.064	ug/L	97
8) Chloroethane	1.925	64	47461	51.855	ug/L	97
9) Trichlorofluoromethane	2.134	101	129417	48.555	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	77257	48.466	ug/L	98
12) 1,1-Dichloroethene	2.575	96	63321	45.837	ug/L	92
13) Acetone	2.626	43	97009	96.210	ug/L	97
14) Carbon disulfide	2.790	76	134314	43.807	ug/L	98
15) Methyl Acetate	2.945	43	74447	47.146	ug/L	99
16) Methylene chloride	3.041	84	82156	47.155	ug/L	95
17) trans-1,2-Dichloroethene	3.347	96	66335	46.961	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	245155	47.208	ug/L	98
19) 1,1-Dichloroethane	3.864	63	141808	46.757	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	82315	47.420	ug/L	97
22) 2-Butanone	4.700	43	117036	98.315	ug/L	98
23) Bromochloromethane	4.970	128	43888	48.768	ug/L	94
25) Chloroform	5.083	83	154871	48.390	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	116965	47.513	ug/L	98
29) Cyclohexane	5.385	56	101009	43.385	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	133169	47.426	ug/L	99
31) Carbon tetrachloride	5.520	117	116367	48.577	ug/L	99
33) Benzene	5.771	78	297327	45.345	ug/L	100
34) Trichloroethene	6.539	95	82231	47.251	ug/L	99
35) Methylcyclohexane	6.758	83	111413	45.647	ug/L	98
37) 1,2-Dichloropropane	6.787	63	85063	45.854	ug/L	99
38) Bromodichloromethane	7.102	83	113104	48.394	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	135319	46.629	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	200991	92.971	ug/L	99
42) Toluene	7.967	91	322420	47.233	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	130291	47.242	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	86532	48.192	ug/L	94
46) Tetrachloroethene	8.549	164	64048	46.389	ug/L	99
48) 2-Hexanone	8.681	43	164412	95.963	ug/L	99
49) Dibromochloromethane	8.806	129	88780	50.177	ug/L	100
50) 1,2-Dibromoethane	8.919	107	87965	48.265	ug/L	98
51) Chlorobenzene	9.443	112	219873	48.158	ug/L	99
52) Ethylbenzene	9.568	91	362951	47.242	ug/L	99
53) m,p-Xylene	9.690	106	139825	48.468	ug/L	93
54) o-Xylene	10.099	106	136552	48.382	ug/L	100
55) Styrene	10.112	104	242682	50.131	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	136632	48.305	ug/L	99
59) Bromoform	10.288	173	68580	46.838	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	105196	43.303	ug/L	99
61) Isopropylbenzene	10.481	105	376141	45.561	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	311192	45.999	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	309487	46.413	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	188577	46.704	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	189615	46.111	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	187804	46.087	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27756	44.785	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	140557	48.040	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	125022	47.134	ug/L	99
71) Naphthalene	14.082	128	346537	45.042	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	126148	47.809	ug/L	100

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

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