Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120820\
Data File : VY003680.D
Acq On : 08 Dec 2020 15:39
Operator : SY/MD
Sample : L4979-13
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : GB1G3

Quant Time: Dec 09 20:24:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 09 01:58:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	243025	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.50	117	225771	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	116790	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.25	65	78965	22.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.92%			
7) Chloroethane-d5	2.77	69	61073	23.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.24%			
10) 1,1-Dichloroethene-d2	3.87	63	154597	23.90	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 95.60%			
20) 2-Butanone-d5	6.90	46	41994	34.27	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 68.54%			
24) Chloroform-d	7.48	84	144563	23.12	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.48%			
26) 1,2-Dichloroethane-d4	8.15	65	79431	22.57	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.28%			
29) Benzene-d6	8.12	84	326913	25.01	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.04%			
33) 1,2-Dichloropropane-d6	9.12	67	95082	24.58	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.32%			
37) Toluene-d8	10.18	98	294238	25.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 100.44%			
38) trans-1,3-Dichloropropene-	10.44	79	44127	23.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.48%			
39) 2-Hexanone-d5	10.79	63	34761	35.87	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 71.74%			
48) 1,1,2,2-Tetrachloroethane-	12.56	84	73726	21.39	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 85.56%			
61) 1,2-Dichlorobenzene-d4	13.73	152	104281	24.57	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 98.28%			
Target Compounds						Qvalue
3) Chloromethane	2.13	50	68965	23.267	ug/L	97
6) Bromomethane	2.66	94	19552	9.648	ug/L	100
9) Trichlorofluoromethane	3.14	101	80696	16.817	ug/L	99
12) 1,1-Dichloroethene	3.89	96	72342	24.874	ug/L	96
13) Acetone	3.96	43	33123	36.880	ug/L	99
15) Methyl Acetate	4.49	43	72327	32.005	ug/L	99
16) Methylene chloride	4.73	84	43898	10.287	ug/L	92
17) Methyl tert-butyl Ether	5.23	73	250581	30.395	ug/L	100
18) trans-1,2-Dichloroethene	5.23	96	36767	11.227	ug/L	98
22) cis-1,2-Dichloroethene	7.00	96	96160	27.554	ug/L	91
23) Bromochloromethane	7.34	128	26417	15.163	ug/L	94
27) 1,2-Dichloroethane	8.24	62	38289	10.172	ug/L #	94
30) Cyclohexane	7.79	56	57796	11.882	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	53429	11.102	ug/L	100
32) Carbon tetrachloride	7.90	117	61083	14.298	ug/L	99
35) Trichloroethene	8.94	95	140524	39.630	ug/L	99
36) Methylcyclohexane	9.19	83	157354	28.957	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2-Dichloropropane	9.22	63	45026	13.900	ug/L	100
41) Bromodichloromethane	9.50	83	88433	21.488	ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	91697	17.985	ug/L	98
44) Toluene	10.25	91	304554	22.354	ug/L	100
45) trans-1,3-Dichloropropene	10.47	75	37220	7.920	ug/L	99
47) Tetrachloroethene	10.72	164	122338	44.302	ug/L	96
49) 2-Hexanone	10.83	43	47833	22.370	ug/L	99
50) Dibromochloromethane	10.99	129	66026	20.202	ug/L	99
53) Ethylbenzene	11.59	91	242844	16.333	ug/L	97
54) m,p-Xylene	11.71	106	63738	11.112	ug/L	96
55) o-xylene	12.03	106	74121	13.469	ug/L	96
57) Isopropylbenzene	12.33	105	198168	13.774	ug/L	100
63) 1,3-Dichlorobenzene	13.37	146	147314	21.211	ug/L	97
65) 1,2-Dichlorobenzene	13.74	146	69150	10.852	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	10013	16.869	ug/L	97

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

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