Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080620\
Data File : VW016043.D
Acq On : 06 Aug 2020 12:42
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02525

Quant Time: Aug 07 07:39:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 07 03:10:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	294906	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269082	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	136353	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.35	65	100459	24.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.56%			
7) Chloroethane-d5	2.89	69	77772	23.01	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.04%			
10) 1,1-Dichloroethene-d2	4.01	63	207392	24.65	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 98.60%			
20) 2-Butanone-d5	7.08	46	57801	52.88	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.76%			
24) Chloroform-d	7.65	84	216823	26.18	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.72%			
26) 1,2-Dichloroethane-d4	8.30	65	112662	24.78	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.12%			
29) Benzene-d6	8.27	84	439289	26.82	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 107.28%			
33) 1,2-Dichloropropane-d6	9.27	67	128620	26.19	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.76%			
37) Toluene-d8	10.32	98	416804	28.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 112.36%			
38) trans-1,3-Dichloropropene-	10.58	79	58768	28.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 112.32%			
39) 2-Hexanone-d5	10.93	63	48987	59.92	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.84%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106728	28.28	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 113.12%			
61) 1,2-Dichlorobenzene-d4	13.85	152	146199	27.50	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 110.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	57492	23.039	ug/L	98
3) Chloromethane	2.21	50	60597	20.078	ug/L	98
5) Vinyl chloride	2.36	62	92447	19.860	ug/L	98
6) Bromomethane	2.78	94	57703	20.778	ug/L	99
8) Chloroethane	2.93	64	57356	21.033	ug/L	100
9) Trichlorofluoromethane	3.26	101	71499	22.851	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	98032	25.631	ug/L #	80
12) 1,1-Dichloroethene	4.03	96	95299	25.138	ug/L	89
13) Acetone	4.13	43	46686	50.858	ug/L	92
14) Carbon disulfide	4.37	76	255833	21.368	ug/L	99
15) Methyl Acetate	4.67	43	44116	25.488	ug/L	95
16) Methylene chloride	4.90	84	121680	25.180	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	143382	26.746	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	100864	25.196	ug/L	95
19) 1,1-Dichloroethane	6.21	63	181045	24.541	ug/L	98
21) 2-Butanone	7.18	43	61153	53.872	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	110286	26.332	ug/L	94

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
23) Bromochloromethane	7.51	128	51480	28.030 ug/L		85
25) Chloroform	7.67	83	189642	25.938 ug/L		99
27) 1,2-Dichloroethane	8.40	62	118584	23.836 ug/L		97
30) Cyclohexane	7.95	56	157939	23.278 ug/L		95
31) 1,1,1-Trichloroethane	7.87	97	158279	25.191 ug/L		97
32) Carbon tetrachloride	8.06	117	149877	26.306 ug/L		99
34) Benzene	8.32	78	410711	25.131 ug/L		100
35) Trichloroethene	9.09	95	110080	25.462 ug/L		94
36) Methylcyclohexane	9.34	83	183842	24.783 ug/L		96
40) 1,2-Dichloropropane	9.37	63	101815	25.148 ug/L		98
41) Bromodichloromethane	9.65	83	137724	26.341 ug/L		96
42) cis-1,3-Dichloropropene	10.07	75	164803	26.727 ug/L		100
43) 4-Methyl-2-pentanone	10.21	43	128367	54.320 ug/L		95
44) Toluene	10.39	91	453981	26.485 ug/L		99
45) trans-1,3-Dichloropropene	10.61	75	143960	26.935 ug/L		97
46) 1,1,2-Trichloroethane	10.79	97	81159	27.876 ug/L		94
47) Tetrachloroethene	10.86	164	98346	29.307 ug/L		94
49) 2-Hexanone	10.97	43	87981	52.464 ug/L	#	92
50) Dibromochloromethane	11.13	129	98911	29.345 ug/L		97
51) 1,2-Dibromoethane	11.24	107	77569	27.851 ug/L		98
52) Chlorobenzene	11.66	112	293544	26.726 ug/L		98
53) Ethylbenzene	11.73	91	508570	26.386 ug/L		99
54) m,p-Xylene	11.84	106	197519	27.391 ug/L		98
55) o-xylene	12.17	106	185823	27.366 ug/L		100
56) Styrene	12.18	104	328624	28.459 ug/L		97
57) Isopropylbenzene	12.46	105	525530	28.431 ug/L		98
58) 1,1,2,2-Tetrachloroethane	12.71	83	95332	27.885 ug/L		99
59) 1,2,3-Trichloropropane	12.77	75	71757	28.014 ug/L		99
62) Bromoform	12.35	173	58519	29.174 ug/L		99
63) 1,3-Dichlorobenzene	13.50	146	237343	27.197 ug/L		99
64) 1,4-Dichlorobenzene	13.58	146	235360	26.574 ug/L		96
65) 1,2-Dichlorobenzene	13.87	146	217855	27.483 ug/L		99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16458	27.585 ug/L		91
67) 1,3,5-Trichlorobenzene	14.63	180	176033	28.688 ug/L		99
68) 1,2,4-trichlorobenzene	15.13	180	148301	30.428 ug/L		99
69) Naphthalene	15.36	128	276989	30.166 ug/L		100
70) 1,2,3-Trichlorobenzene	15.55	180	131152	30.201 ug/L		98

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

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