Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
Data File : VW015935.D
Acq On : 23 Jul 2020 20:35
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD02510

Quant Time: Jul 24 07:05:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 06:59:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	485229	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	447092	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	212107	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	108248	15.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 63.24%			
7) Chloroethane-d5	2.90	69	101238	18.21	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.84%			
10) 1,1-Dichloroethene-d2	4.02	63	252008	18.21	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 72.84%			
20) 2-Butanone-d5	7.09	46	80380	44.69	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 89.38%			
24) Chloroform-d	7.65	84	272177	19.97	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 79.88%			
26) 1,2-Dichloroethane-d4	8.31	65	142635	19.07	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 76.28%			
29) Benzene-d6	8.27	84	542291	19.93	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 79.72%			
33) 1,2-Dichloropropane-d6	9.27	67	168073	20.60	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 82.40%			
37) Toluene-d8	10.33	98	491779	19.95	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 79.80%			
38) trans-1,3-Dichloropropene-	10.58	79	66878	19.23	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 76.92%			
39) 2-Hexanone-d5	10.93	63	65579	48.27	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.54%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132879	21.19	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 84.76%			
61) 1,2-Dichlorobenzene-d4	13.85	152	172148	20.81	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 83.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	83188	20.261	ug/L	99
3) Chloromethane	2.22	50	105454	21.236	ug/L	100
5) Vinyl chloride	2.37	62	151775	19.816	ug/L	100
6) Bromomethane	2.79	94	96914	21.210	ug/L	98
8) Chloroethane	2.93	64	95866	21.366	ug/L	95
9) Trichlorofluoromethane	3.27	101	109480	21.265	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	134909	21.437	ug/L	97
12) 1,1-Dichloroethene	4.04	96	135938	21.794	ug/L	95
13) Acetone	4.13	43	55745	36.907	ug/L	95
14) Carbon disulfide	4.38	76	399132	20.261	ug/L	99
15) Methyl Acetate	4.67	43	63615	22.338	ug/L	96
16) Methylene chloride	4.92	84	172571	21.704	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	221530	25.115	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	147946	22.461	ug/L	96
19) 1,1-Dichloroethane	6.22	63	272150	22.421	ug/L	99
21) 2-Butanone	7.18	43	85489	45.771	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	164214	23.829	ug/L	95

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Quant Title : VOC Analysis
QLast Update : Fri Jul 24 06:59:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	71419	23.634	ug/L	94
25) Chloroform	7.68	83	272880	22.684	ug/L	99
27) 1,2-Dichloroethane	8.40	62	171154	20.909	ug/L	96
30) Cyclohexane	7.96	56	251335	22.295	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	222928	21.354	ug/L	98
32) Carbon tetrachloride	8.07	117	196416	20.748	ug/L	100
34) Benzene	8.33	78	624246	22.989	ug/L	100
35) Trichloroethene	9.09	95	158465	22.060	ug/L	97
36) Methylcyclohexane	9.34	83	276787	22.456	ug/L	97
40) 1,2-Dichloropropane	9.37	63	155819	23.163	ug/L	99
41) Bromodichloromethane	9.65	83	193192	22.238	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	235169	22.954	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	188524	48.013	ug/L	97
44) Toluene	10.39	91	668008	23.455	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	202244	22.774	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	115135	23.801	ug/L	97
47) Tetrachloroethene	10.87	164	122707	22.007	ug/L	94
49) 2-Hexanone	10.97	43	129958	46.640	ug/L	97
50) Dibromochloromethane	11.13	129	128393	22.925	ug/L	99
51) 1,2-Dibromoethane	11.24	107	107188	23.163	ug/L	98
52) Chlorobenzene	11.66	112	421674	23.106	ug/L	98
53) Ethylbenzene	11.73	91	749104	23.391	ug/L	98
54) m,p-Xylene	11.84	106	287276	23.976	ug/L	99
55) o-xylene	12.17	106	282557	25.044	ug/L	97
56) Styrene	12.18	104	469804	24.486	ug/L	100
57) Isopropylbenzene	12.47	105	761897	24.807	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	133612	23.522	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	98494	23.142	ug/L	99
62) Bromoform	12.35	173	70166	22.487	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	324643	23.914	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	321598	23.342	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	292434	23.716	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	21426	23.086	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	237267	24.857	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	199668	26.335	ug/L	98
69) Naphthalene	15.37	128	411322	28.797	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	172753	25.573	ug/L	93

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

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