Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010388.D
Acq On : 19 Apr 2019 16:37
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD02575

Manual Integrations APPROVED
MMDadoda
4/23/2019 6:53:49 AM

Quant Time: Apr 20 04:31:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 02:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	449800	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	426132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	234052	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	158274	27.71	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 110.84%			
7) Chloroethane-d5	1.57	69	122148	25.46	ug/L	0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.84%			
10) 1,1-Dichloroethene-d2	2.13	63	303465	22.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.08%			
20) 2-Butanone-d5	3.93	46	83067m	46.70	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.40%			
24) Chloroform-d	4.40	84	272075	23.01	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.04%			
26) 1,2-Dichloroethane-d4	5.08	65	171338	24.54	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.16%			
29) Benzene-d6	5.09	84	525037	24.07	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.28%			
33) 1,2-Dichloropropane-d6	6.11	67	151627	23.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.00%			
37) Toluene-d8	7.36	98	521595	24.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.48%			
38) trans-1,3-Dichloropropene-	7.66	79	78515	25.01	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.04%			
39) 2-Hexanone-d5	8.13	63	65920	46.38	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.76%			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	152898	23.95	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.80%			
61) 1,2-Dichlorobenzene-d4	11.67	152	224061	24.35	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	199789	29.283	ug/L	98
3) Chloromethane	1.25	50	159683	26.931	ug/L	99
5) Vinyl chloride	1.32	62	179665	29.006	ug/L	98
6) Bromomethane	1.51	94	97379	24.578	ug/L	98
8) Chloroethane	1.59	64	103347	26.178	ug/L	99
9) Trichlorofluoromethane	1.76	101	306677	24.107	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	173189	25.844	ug/L	95
12) 1,1-Dichloroethene	2.14	96	157483	26.951	ug/L	78
13) Acetone	2.19	43	79091	42.133	ug/L	94
14) Carbon disulfide	2.31	76	319658	22.178	ug/L	99
15) Methyl Acetate	2.46	43	61628	20.113	ug/L	92
16) Methylene chloride	2.53	84	156084	21.725	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	346963	24.657	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	129764	23.410	ug/L	94
19) 1,1-Dichloroethane	3.23	63	231210	24.419	ug/L	96
21) 2-Butanone	4.01	43	87995	43.243	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	146090	23.136	ug/L	96

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 02:27:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
23) Bromochloromethane	4.29	128	69067	21.854 ug/L	93
25) Chloroform	4.42	83	275706	24.987 ug/L	98
27) 1,2-Dichloroethane	5.18	62	192006	24.355 ug/L	98
30) Cyclohexane	4.72	56	205566	26.321 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	251600	26.781 ug/L	98
32) Carbon tetrachloride	4.87	117	233216	26.310 ug/L	99
34) Benzene	5.14	78	504132	24.243 ug/L	100
35) Trichloroethene	5.96	95	152759	24.830 ug/L	97
36) Methylcyclohexane	6.17	83	237497	26.511 ug/L	98
40) 1,2-Dichloropropane	6.22	63	125277	23.489 ug/L	99
41) Bromodichloromethane	6.55	83	186868	24.968 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	209341	26.025 ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	195201	46.845 ug/L	100
44) Toluene	7.43	91	590879	25.205 ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	195878	26.118 ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	110100	22.914 ug/L	98
47) Tetrachloroethene	8.02	164	134546	24.510 ug/L	96
49) 2-Hexanone	8.18	43	144418	49.514 ug/L	98
50) Dibromochloromethane	8.29	129	144960	24.572 ug/L	99
51) 1,2-Dibromoethane	8.39	107	114292	23.986 ug/L	98
52) Chlorobenzene	8.92	112	403420	24.732 ug/L	96
53) Ethylbenzene	9.05	91	705769	26.499 ug/L	100
54) m,p-Xylene	9.18	106	270736	26.260 ug/L	97
55) o-xylene	9.59	106	273346	27.491 ug/L	100
56) Styrene	9.60	104	451414	26.588 ug/L	94
57) Isopropylbenzene	9.97	105	762777	28.790 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	145426	23.406 ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	110742	24.615 ug/L	99
62) Bromoform	9.77	173	85472	23.622 ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	355425	24.900 ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	357836	24.314 ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	336186	24.394 ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	23672	21.493 ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	297727	25.078 ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	238418	25.129 ug/L	98
69) Naphthalene	13.55	128	591489	33.758 ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	224007	24.297 ug/L	98

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

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