

Data File : VV011055.D
Acq On : 24 May 2019 06:26
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Quant Time: May 24 09:08:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 09:03:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	117906	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117701	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	53767	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27861	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
7) Chloroethane-d5	1.55	69	20163	22.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.60%
10) 1,1-Dichloroethene-d2	2.11	63	54887	21.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.96%
20) 2-Butanone-d5	3.93	46	29907	64.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.96%
24) Chloroform-d	4.39	84	80553	26.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	5.07	65	45538	25.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.20%
29) Benzene-d6	5.09	84	160927	25.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.16%
33) 1,2-Dichloropropane-d6	6.11	67	52948	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.72%
37) Toluene-d8	7.36	98	145484	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.40%
38) trans-1,3-Dichloropropene-	7.66	79	19679	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.88%
39) 2-Hexanone-d5	8.13	63	17041	44.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.50%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55095	27.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	53639	24.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	34919	20.060 ug/L	96
3) Chloromethane	1.24	50	35858	22.742 ug/L	100
5) Vinyl chloride	1.32	62	36104	22.799 ug/L	99
6) Bromomethane	1.50	94	9853	17.844 ug/L	99
8) Chloroethane	1.57	64	19421	24.509 ug/L	96
9) Trichlorofluoromethane	1.75	101	52705	20.882 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	31330	21.768 ug/L	96
12) 1,1-Dichloroethene	2.12	96	29343	23.583 ug/L	96
13) Acetone	2.19	43	21628	48.355 ug/L	94
14) Carbon disulfide	2.30	76	78598	22.558 ug/L	98
15) Methyl Acetate	2.45	43	27125	31.563 ug/L	96
16) Methylene chloride	2.52	84	49940	24.680 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	119620	27.171 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	41820	24.364 ug/L	95
19) 1,1-Dichloroethane	3.22	63	81675	26.133 ug/L	97
21) 2-Butanone	4.02	43	32470	53.048 ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	50725	26.542 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	23716	26.185	ug/L	90
25) Chloroform	4.42	83	89376	25.273	ug/L	99
27) 1,2-Dichloroethane	5.17	62	58401	26.864	ug/L	97
30) Cyclohexane	4.71	56	52929	21.641	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	66346	25.059	ug/L	99
32) Carbon tetrachloride	4.87	117	54593	22.611	ug/L	100
34) Benzene	5.14	78	186402	27.473	ug/L	100
35) Trichloroethene	5.96	95	46411	24.757	ug/L	98
36) Methylcyclohexane	6.17	83	60129	21.696	ug/L	99
40) 1,2-Dichloropropane	6.22	63	49929	28.000	ug/L #	92
41) Bromodichloromethane	6.55	83	63927	26.822	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	67239	25.333	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	70575	55.213	ug/L	100
44) Toluene	7.43	91	201557	26.769	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	54875	24.544	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	42356	27.876	ug/L	98
47) Tetrachloroethene	8.02	164	32163	21.979	ug/L	97
49) 2-Hexanone	8.18	43	40765	43.679	ug/L	98
50) Dibromochloromethane	8.29	129	45347	25.356	ug/L	97
51) 1,2-Dibromoethane	8.39	107	40146	27.321	ug/L	98
52) Chlorobenzene	8.92	112	130461	25.278	ug/L	95
53) Ethylbenzene	9.05	91	211642	25.796	ug/L	99
54) m,p-Xylene	9.18	106	81490	25.484	ug/L	95
55) o-xylene	9.59	106	82848	27.156	ug/L	97
56) Styrene	9.60	104	147253	28.006	ug/L	97
57) Isopropylbenzene	9.97	105	205752	25.565	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	55402	27.691	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	41309	28.107	ug/L	99
62) Bromoform	9.77	173	24873	26.060	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	94029	25.640	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	95288	25.230	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	95377	26.823	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	8432	29.850	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	63032	23.431	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	49645	23.349	ug/L	97
69) Naphthalene	13.55	128	112777	26.459	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	50543	24.349	ug/L	98

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

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