

Data File : VV011026.D
Acq On : 23 May 2019 13:34
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

Quant Time: May 24 09:39:07 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	116780	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117714	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30346	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
7) Chloroethane-d5	1.57	69	21564	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	2.13	63	61317	23.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.80%
20) 2-Butanone-d5	3.94	46	25451	55.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.80%
24) Chloroform-d	4.40	84	79779	26.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	5.08	65	42733	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.88%
29) Benzene-d6	5.10	84	164807	25.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.60%
33) 1,2-Dichloropropane-d6	6.12	67	51456	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.80%
37) Toluene-d8	7.36	98	156981	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.12%
38) trans-1,3-Dichloropropene-	7.66	79	20994	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.16%
39) 2-Hexanone-d5	8.13	63	18052	47.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49280	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	55928	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	45026	26.116 ug/L	99
3) Chloromethane	1.25	50	39656	25.393 ug/L	100
5) Vinyl chloride	1.32	62	41760	26.625 ug/L	94
6) Bromomethane	1.51	94	15021	27.466 ug/L	97
8) Chloroethane	1.59	64	20703	26.378 ug/L	98
9) Trichlorofluoromethane	1.76	101	64923	25.971 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	37259	26.137 ug/L	96
12) 1,1-Dichloroethene	2.14	96	31806	25.809 ug/L	94
13) Acetone	2.19	43	21367	48.232 ug/L	99
14) Carbon disulfide	2.31	76	82113	23.794 ug/L	98
15) Methyl Acetate	2.46	43	22504	26.439 ug/L	99
16) Methylene chloride	2.53	84	50007	24.952 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	111694	25.615 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	45674	26.866 ug/L	96
19) 1,1-Dichloroethane	3.23	63	84396	27.264 ug/L	98
21) 2-Butanone	4.02	43	29792	49.142 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	51268	27.085 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	23284	25.956	ug/L	89
25) Chloroform	4.42	83	91006	25.982	ug/L	99
27) 1,2-Dichloroethane	5.18	62	54385	25.258	ug/L	97
30) Cyclohexane	4.72	56	69055	28.232	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	73840	27.886	ug/L	99
32) Carbon tetrachloride	4.87	117	65162	26.985	ug/L	99
34) Benzene	5.14	78	190700	28.103	ug/L	100
35) Trichloroethene	5.96	95	51431	27.431	ug/L	97
36) Methylcyclohexane	6.17	83	77101	27.817	ug/L	95
40) 1,2-Dichloropropane	6.22	63	49725	27.883	ug/L	99
41) Bromodichloromethane	6.55	83	63602	26.683	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	73898	27.839	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	62289	48.725	ug/L	97
44) Toluene	7.43	91	218152	28.970	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	61105	27.327	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	42040	27.665	ug/L	97
47) Tetrachloroethene	8.02	164	37361	25.528	ug/L	92
49) 2-Hexanone	8.18	43	43782	46.907	ug/L	93
50) Dibromochloromethane	8.29	129	45853	25.636	ug/L	99
51) 1,2-Dibromoethane	8.40	107	38386	26.121	ug/L	97
52) Chlorobenzene	8.92	112	140487	27.218	ug/L	96
53) Ethylbenzene	9.05	91	244267	29.769	ug/L	99
54) m,p-Xylene	9.18	106	94890	29.671	ug/L	99
55) o-xylene	9.59	106	92418	30.290	ug/L	97
56) Styrene	9.60	104	156920	29.841	ug/L	99
57) Isopropylbenzene	9.97	105	240870	29.925	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	53854	26.915	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	37163	25.283	ug/L	100
62) Bromoform	9.77	173	24443	24.541	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	106422	27.810	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	109316	27.737	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	104509	28.166	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	7662	25.994	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	75154	26.772	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	61541	27.737	ug/L	97
69) Naphthalene	13.55	128	123790	27.832	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	58890	27.187	ug/L	99

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

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