

Data File : VV010853.D
Acq On : 14 May 2019 10:18
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02597

Quant Time: May 15 06:50:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Tue May 14 01:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	124015	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	124038	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	61818	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43589	27.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.36%
7) Chloroethane-d5	1.56	69	27799	27.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.00%
10) 1,1-Dichloroethene-d2	2.12	63	81003	27.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.36%
20) 2-Butanone-d5	3.93	46	26271	52.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.70%
24) Chloroform-d	4.40	84	79921	22.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	5.08	65	47878	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.08%
29) Benzene-d6	5.09	84	172629	25.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.56%
33) 1,2-Dichloropropane-d6	6.11	67	51809	23.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.60%
37) Toluene-d8	7.36	98	165515	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.36%
38) trans-1,3-Dichloropropene-	7.66	79	22919	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.96%
39) 2-Hexanone-d5	8.13	63	18832	45.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	48131	23.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	60560	23.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	38936	28.299 ug/L	98
3) Chloromethane	1.25	50	38617	23.435 ug/L	99
5) Vinyl chloride	1.32	62	46848	26.407 ug/L	93
6) Bromomethane	1.51	94	11699	28.412 ug/L	98
8) Chloroethane	1.58	64	22729	24.772 ug/L	99
9) Trichlorofluoromethane	1.76	101	71551	28.175 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42326	27.632 ug/L	100
12) 1,1-Dichloroethene	2.13	96	38143	26.690 ug/L	96
13) Acetone	2.19	43	24904	49.186 ug/L	95
14) Carbon disulfide	2.31	76	106809	24.812 ug/L	100
15) Methyl Acetate	2.46	43	22213	21.063 ug/L	98
16) Methylene chloride	2.53	84	42855	21.413 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	109263	23.415 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	41436	24.340 ug/L	99
19) 1,1-Dichloroethane	3.22	63	78354	23.774 ug/L	100
21) 2-Butanone	4.02	43	32804	50.192 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	45735	22.957 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	21296	22.948	ug/L	96
25) Chloroform	4.42	83	87487	24.470	ug/L	97
27) 1,2-Dichloroethane	5.18	62	57389	23.006	ug/L	100
30) Cyclohexane	4.72	56	68033	28.529	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	68657	25.485	ug/L	98
32) Carbon tetrachloride	4.87	117	62718	27.281	ug/L	100
34) Benzene	5.14	78	181688	25.132	ug/L	100
35) Trichloroethene	5.96	95	47978	25.605	ug/L	98
36) Methylcyclohexane	6.17	83	74008	28.383	ug/L	99
40) 1,2-Dichloropropane	6.22	63	48843	24.805	ug/L	100
41) Bromodichloromethane	6.55	83	61007	24.162	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	70606	24.578	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	66205	47.609	ug/L	98
44) Toluene	7.43	91	204650	25.466	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	58041	23.906	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	38242	24.115	ug/L	97
47) Tetrachloroethene	8.02	164	36102	26.075	ug/L	96
49) 2-Hexanone	8.18	43	50349	49.024	ug/L	98
50) Dibromochloromethane	8.29	129	42923	24.334	ug/L	98
51) 1,2-Dibromoethane	8.39	107	35981	24.084	ug/L	99
52) Chlorobenzene	8.92	112	132949	24.291	ug/L	98
53) Ethylbenzene	9.05	91	225984	25.668	ug/L	99
54) m,p-Xylene	9.18	106	88687	25.567	ug/L	100
55) o-xylene	9.59	106	87719	25.739	ug/L	99
56) Styrene	9.60	104	148124	25.347	ug/L	98
57) Isopropylbenzene	9.97	105	229267	26.875	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	49723	23.742	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	36475	24.037	ug/L	97
62) Bromoform	9.77	173	23056	23.894	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	103556	24.245	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	104118	23.531	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	100005	23.468	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7741	24.256	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	75765	24.340	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	60701	24.150	ug/L	97
69) Naphthalene	13.55	128	122721	23.308	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	58987	24.658	ug/L	100

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

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