

Data File : VV010298.D
Acq On : 12 Apr 2019 20:18
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

Quant Time: Apr 13 04:54:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 04:47:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	246310	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	254745	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135832	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67654	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
7) Chloroethane-d5	1.56	69	62344	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.36%
10) 1,1-Dichloroethene-d2	2.13	63	180157	24.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.84%
20) 2-Butanone-d5	3.93	46	45885	63.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.90%
24) Chloroform-d	4.40	84	141944	25.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.96%
26) 1,2-Dichloroethane-d4	5.08	65	84889	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.00%
29) Benzene-d6	5.10	84	291121	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
33) 1,2-Dichloropropane-d6	6.12	67	86597	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.80%
37) Toluene-d8	7.36	98	293954	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.16%
38) trans-1,3-Dichloropropene-	7.66	79	38887	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.12%
39) 2-Hexanone-d5	8.13	63	36902	58.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	88424	26.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	125547	25.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	106951	27.096	ug/L	98
3) Chloromethane	1.25	50	89162	27.529	ug/L	97
5) Vinyl chloride	1.32	62	94397	27.103	ug/L	97
6) Bromomethane	1.51	94	70039	24.812	ug/L	98
8) Chloroethane	1.58	64	60483	27.849	ug/L	94
9) Trichlorofluoromethane	1.76	101	196480	27.854	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	100932	26.728	ug/L	98
12) 1,1-Dichloroethene	2.14	96	88057	27.097	ug/L	94
13) Acetone	2.19	43	41136	53.658	ug/L	97
14) Carbon disulfide	2.31	76	212254	27.046	ug/L	98
15) Methyl Acetate	2.46	43	39193	28.704	ug/L	95
16) Methylene chloride	2.53	84	96737	20.055	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	202351	28.775	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	83557	27.061	ug/L	94
19) 1,1-Dichloroethane	3.23	63	142110	27.979	ug/L	97
21) 2-Butanone	4.02	43	51293	58.661	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	93110	27.714	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47187	28.523	ug/L	93
25) Chloroform	4.42	83	167862	27.823	ug/L	97
27) 1,2-Dichloroethane	5.18	62	113549	29.408	ug/L	99
30) Cyclohexane	4.72	56	115428	24.196	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	138413	25.975	ug/L	99
32) Carbon tetrachloride	4.87	117	125397	25.253	ug/L	100
34) Benzene	5.15	78	325130	25.178	ug/L	100
35) Trichloroethene	5.96	95	94550	25.341	ug/L	98
36) Methylcyclohexane	6.18	83	137919	24.738	ug/L	98
40) 1,2-Dichloropropane	6.22	63	80977	25.628	ug/L	98
41) Bromodichloromethane	6.55	83	110080	26.146	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	126810	26.483	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	114744	56.108	ug/L	97
44) Toluene	7.43	91	385175	26.532	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	111801	27.821	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	71716	26.756	ug/L	97
47) Tetrachloroethene	8.02	164	83376	25.208	ug/L	96
49) 2-Hexanone	8.18	43	87147	64.813	ug/L	97
50) Dibromochloromethane	8.29	129	90285	27.536	ug/L	95
51) 1,2-Dibromoethane	8.40	107	74247	27.160	ug/L	97
52) Chlorobenzene	8.93	112	265421	26.201	ug/L	96
53) Ethylbenzene	9.06	91	433039	27.051	ug/L	100
54) m,p-Xylene	9.18	106	171927	27.225	ug/L	99
55) o-xylene	9.59	106	168661	26.820	ug/L	95
56) Styrene	9.60	104	286753	28.639	ug/L	98
57) Isopropylbenzene	9.98	105	443930	27.774	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	92470	27.913	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	66736	27.373	ug/L	97
62) Bromoform	9.77	173	52005	26.381	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	224233	26.624	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	230460	26.891	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	215371	26.789	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13112	28.830	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	173220	27.756	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	126019	29.469	ug/L	97
69) Naphthalene	13.55	128	184281	31.712	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	118283	29.825	ug/L	99

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

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