

Data File : VV009895.D
Acq On : 26 Mar 2019 15:08
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

Quant Time: Mar 27 01:40:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:58:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	190178	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	190794	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90763	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87435	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.64%
7) Chloroethane-d5	1.57	69	92619	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.88%
10) 1,1-Dichloroethene-d2	2.13	63	248786	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.28%
20) 2-Butanone-d5	3.93	46	41737	58.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.08%
24) Chloroform-d	4.40	84	119968	24.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.08	65	73288	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.52%
29) Benzene-d6	5.10	84	247603	24.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.84%
33) 1,2-Dichloropropane-d6	6.12	67	72460	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	7.36	98	230577	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.24%
38) trans-1,3-Dichloropropene-	7.66	79	30082	25.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.36%
39) 2-Hexanone-d5	8.13	63	29586	54.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75684	26.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	84791	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68827	23.376	ug/L 98
3) Chloromethane	1.25	50	73546	21.614	ug/L 96
5) Vinyl chloride	1.32	62	105685	23.887	ug/L 97
6) Bromomethane	1.51	94	104658	23.716	ug/L 99
8) Chloroethane	1.59	64	81929	21.496	ug/L 98
9) Trichlorofluoromethane	1.76	101	226023	23.955	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	131464	23.971	ug/L 99
12) 1,1-Dichloroethene	2.14	96	113547	24.407	ug/L 91
13) Acetone	2.18	43	59458	54.608	ug/L 98
14) Carbon disulfide	2.32	76	157646	25.046	ug/L 98
15) Methyl Acetate	2.46	43	35015	27.455	ug/L 97
16) Methylene chloride	2.53	84	67919	21.687	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	156878	25.843	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	61633	24.734	ug/L 93
19) 1,1-Dichloroethane	3.23	63	112996	24.796	ug/L 98
21) 2-Butanone	4.01	43	53890	55.573	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	70451	25.605	ug/L 94

Data File : VV009895.D
Acq On : 26 Mar 2019 15:08
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

Quant Time: Mar 27 01:40:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:58:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31429	24.738	ug/L	96
25) Chloroform	4.42	83	124654	24.740	ug/L	98
27) 1,2-Dichloroethane	5.18	62	90727	25.414	ug/L	100
30) Cyclohexane	4.72	56	98833	25.691	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	95316	24.963	ug/L	98
32) Carbon tetrachloride	4.87	117	85830	25.862	ug/L	96
34) Benzene	5.15	78	258919	24.713	ug/L	100
35) Trichloroethene	5.96	95	68104	24.643	ug/L	97
36) Methylcyclohexane	6.18	83	110321	25.443	ug/L	98
40) 1,2-Dichloropropane	6.22	63	66142	25.264	ug/L #	95
41) Bromodichloromethane	6.55	83	84990	26.104	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	95091	24.913	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	102613	54.924	ug/L	98
44) Toluene	7.43	91	285087	24.682	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	84179	26.941	ug/L	92
46) 1,1,2-Trichloroethane	7.88	97	54982	25.393	ug/L	98
47) Tetrachloroethene	8.02	164	53003	24.305	ug/L	96
49) 2-Hexanone	8.18	43	74751	59.200	ug/L #	97
50) Dibromochloromethane	8.29	129	60142	26.787	ug/L	100
51) 1,2-Dibromoethane	8.40	107	54836	26.082	ug/L	95
52) Chlorobenzene	8.93	112	189868	24.693	ug/L	98
53) Ethylbenzene	9.05	91	316043	24.805	ug/L	99
54) m,p-Xylene	9.18	106	121855	24.351	ug/L	89
55) o-xylene	9.59	106	121879	25.092	ug/L	96
56) Styrene	9.60	104	202969	24.328	ug/L	94
57) Isopropylbenzene	9.98	105	317919	25.230	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	75757	25.957	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	54706	25.971	ug/L	98
62) Bromoform	9.77	173	31406	26.901	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	139081	24.775	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	145539	23.855	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	135779	24.507	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9718	28.064	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	99361	24.923	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	76506	26.014	ug/L	98
69) Naphthalene	13.55	128	141305	28.905	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	74619	26.684	ug/L	99

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

Data File : VV009895.D

Acq On : 26 Mar 2019 15:08

Operator : SY/MD

Sample : VSTDCCC025

Misc : 5.00G/10mL/MSVOA V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

Quant Time: Mar 27 01:40:45 2019

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 14:58:43 2019

Response via : Initial Calibration

