

Data File : VV009917.D
Acq On : 27 Mar 2019 01:34
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02565

Manual Integrations
APPROVED

MMDadoda
3/27/2019 5:43:27 PM

Quant Time: Mar 27 03:47:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191326	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	191268	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	88582	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	82676	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.16%
7) Chloroethane-d5	1.55	69	93780	22.36	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.44%
10) 1,1-Dichloroethene-d2	2.11	63	164574	15.50	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.00%
20) 2-Butanone-d5	3.92	46	39124	54.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.16%
24) Chloroform-d	4.39	84	123365	25.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	5.07	65	78463	26.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.00%
29) Benzene-d6	5.09	84	258622	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
33) 1,2-Dichloropropane-d6	6.11	67	81007	27.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.28%
37) Toluene-d8	7.36	98	236429	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	7.66	79	31016	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.20%
39) 2-Hexanone-d5	8.13	63	27907	50.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72648	24.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	81240	24.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	59533	20.098 ug/L	98
3) Chloromethane	1.24	50	69969	20.439 ug/L	95
5) Vinyl chloride	1.32	62	100605	22.603 ug/L	100
6) Bromomethane	1.51	94	92942	20.935 ug/L	98
8) Chloroethane	1.57	64	81280	21.198 ug/L	97
9) Trichlorofluoromethane	1.75	101	218931	23.064 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	70607	12.797 ug/L	96
12) 1,1-Dichloroethene	2.12	96	60686m	12.966 ug/L	
13) Acetone	2.18	43	33211	30.319 ug/L	99
14) Carbon disulfide	2.31	76	141744	22.384 ug/L	98
15) Methyl Acetate	2.45	43	33154	25.839 ug/L	97
16) Methylene chloride	2.52	84	72785	23.101 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	165266	27.061 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	62019	24.739 ug/L	99
19) 1,1-Dichloroethane	3.22	63	120371	26.256 ug/L	98
21) 2-Butanone	4.01	43	44885	46.009 ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	74201	26.806 ug/L	95

Data File : VV009917.D
Acq On : 27 Mar 2019 01:34
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02565

Manual Integrations
APPROVED

MMDadoda
3/27/2019 5:43:27 PM

Quant Time: Mar 27 03:47:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	33270	26.030	ug/L	89
25) Chloroform	4.42	83	141118	27.839	ug/L	99
27) 1,2-Dichloroethane	5.17	62	94915	26.428	ug/L	99
30) Cyclohexane	4.72	56	88127	22.851	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	95854	25.042	ug/L	100
32) Carbon tetrachloride	4.87	117	81520	24.502	ug/L	96
34) Benzene	5.14	78	272399	25.935	ug/L	100
35) Trichloroethene	5.96	95	66551	24.022	ug/L	97
36) Methylcyclohexane	6.17	83	101229	23.288	ug/L	98
40) 1,2-Dichloropropane	6.22	63	70610	26.904	ug/L #	94
41) Bromodichloromethane	6.55	83	89883	27.538	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	97776	25.552	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	95098	50.775	ug/L	97
44) Toluene	7.43	91	289005	24.960	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	85052	27.153	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	55972	25.786	ug/L	98
47) Tetrachloroethene	8.02	164	50025	22.882	ug/L	95
49) 2-Hexanone	8.18	43	63634	50.271	ug/L	98
50) Dibromochloromethane	8.29	129	58669	26.066	ug/L	99
51) 1,2-Dibromoethane	8.39	107	55829	26.489	ug/L	95
52) Chlorobenzene	8.92	112	187119	24.275	ug/L	97
53) Ethylbenzene	9.05	91	309483	24.230	ug/L	99
54) m,p-Xylene	9.18	106	116534	23.230	ug/L	92
55) o-xylene	9.59	106	115705	23.762	ug/L	93
56) Styrene	9.60	104	204727	24.477	ug/L	99
57) Isopropylbenzene	9.97	105	296442	23.467	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	72928	24.926	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	53036	25.116	ug/L	100
62) Bromoform	9.77	173	29945	26.281	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	131979	24.089	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	139386	23.409	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	132259	24.460	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	7742	22.908	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	92423	23.753	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	71474	24.902	ug/L	98
69) Naphthalene	13.55	128	119888	25.128	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	69345	25.409	ug/L	96

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

Data File : VV009917.D

```
Acq On       : 27 Mar 2019   01:34
Operator    : SY/MD
Sample      : VSTDCCC025EC
Misc       : 5.00G/10mL/MSV0A_V/SOIL
ALS Vial    : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02565

Manual Integrations APPROVED

MMDadoda
3/27/2019 5:43:27 PM

Quant Time: Mar 27 03:47:24 2019

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

Quant Title : VOC Analysis

QLast Update : Wed Mar 27 01:42:27 2019

Response via : Initial Calibration

