

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030619\
 Data File : VV009510.D
 Acq On : 06 Mar 2019 10:02
 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: Mar 07 02:48:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 06 04:12:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173845	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165245	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81525	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51587	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	84128	27.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.20%
10) 1,1-Dichloroethene-d2	2.13	63	136522	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	3.94	46	25531	35.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.60%
24) Chloroform-d	4.40	84	104205	25.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.64%
26) 1,2-Dichloroethane-d4	5.08	65	58155	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.72%
29) Benzene-d6	5.10	84	209155	25.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	6.12	67	61418	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.72%
37) Toluene-d8	7.36	98	207200	25.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.88%
38) trans-1,3-Dichloropropene-	7.66	79	27680	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.60%
39) 2-Hexanone-d5	8.14	63	19821	35.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54447	21.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	73541	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	51946	25.951	ug/L 99
3) Chloromethane	1.25	50	54738	25.659	ug/L 99
5) Vinyl chloride	1.32	62	60421	25.690	ug/L 99
6) Bromomethane	1.53	94	80550	27.511	ug/L 99
8) Chloroethane	1.59	64	65942	25.231	ug/L 100
9) Trichlorofluoromethane	1.77	101	126192	26.156	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	71583	26.498	ug/L 96
12) 1,1-Dichloroethene	2.14	96	59093	25.567	ug/L 88
13) Acetone	2.20	43	27173	37.478	ug/L 97
14) Carbon disulfide	2.32	76	150373	25.668	ug/L 99
15) Methyl Acetate	2.46	43	20656	17.593	ug/L 95
16) Methylene chloride	2.53	84	53849	23.602	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	125351	24.219	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	54860	26.425	ug/L 98
19) 1,1-Dichloroethane	3.23	63	97471	26.645	ug/L 99
21) 2-Butanone	4.03	43	30687	33.536	ug/L 74
22) cis-1,2-Dichloroethene	3.96	96	63929	27.276	ug/L 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030619\
 Data File : VV009510.D
 Acq On : 06 Mar 2019 10:02
 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: Mar 07 02:48:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 06 04:12:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	26502	24.523	ug/L	96
25) Chloroform	4.42	83	109770	26.889	ug/L	98
27) 1,2-Dichloroethane	5.18	62	70425	24.839	ug/L	98
30) Cyclohexane	4.72	56	93825	26.754	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	97572	26.413	ug/L	100
32) Carbon tetrachloride	4.87	117	84480	27.051	ug/L	99
34) Benzene	5.15	78	228660	26.780	ug/L	100
35) Trichloroethene	5.96	95	63284	25.790	ug/L	97
36) Methylcyclohexane	6.17	83	104953	26.255	ug/L	98
40) 1,2-Dichloropropane	6.22	63	56034	25.452	ug/L	98
41) Bromodichloromethane	6.55	83	80637	27.136	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	92043	26.930	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	65274	37.611	ug/L	98
44) Toluene	7.43	91	259086	26.844	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	76782	25.722	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	44592	24.380	ug/L	97
47) Tetrachloroethene	8.02	164	49099	26.380	ug/L	96
49) 2-Hexanone	8.19	43	46681	35.571	ug/L	100
50) Dibromochloromethane	8.29	129	54876	24.781	ug/L	98
51) 1,2-Dibromoethane	8.40	107	43461	22.998	ug/L	99
52) Chlorobenzene	8.92	112	170050	26.581	ug/L	99
53) Ethylbenzene	9.05	91	292923	26.522	ug/L	97
54) m,p-Xylene	9.18	106	112621	26.942	ug/L	99
55) o-xylene	9.59	106	110309	27.367	ug/L	93
56) Styrene	9.60	104	180199	27.174	ug/L	99
57) Isopropylbenzene	9.97	105	297776	26.784	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	57004	22.071	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	38598	20.732	ug/L	99
62) Bromoform	9.77	173	30031	22.700	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	128968	25.326	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	130366	25.052	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	123570	26.020	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8827	18.557	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	95668	26.191	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	74409	25.443	ug/L	99
69) Naphthalene	13.55	128	125804	20.423	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65050	24.178	ug/L	96

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV030619\
Data File : VV009510.D
Acq On    : 06 Mar 2019  10:02
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: Mar 07 02:48:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

