

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009541.D
 Acq On : 08 Mar 2019 15:19
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Quant Time: Mar 09 02:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 03:01:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	175210	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166168	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50381	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	1.57	69	60053	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.76%
10) 1,1-Dichloroethene-d2	2.13	63	144461	26.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.28%
20) 2-Butanone-d5	3.94	46	26931	37.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.94%
24) Chloroform-d	4.40	84	108945	26.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.08	65	61042	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.84%
29) Benzene-d6	5.10	84	223605	27.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.68%
33) 1,2-Dichloropropane-d6	6.12	67	65352	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	7.36	98	218515	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.92%
38) trans-1,3-Dichloropropene-	7.66	79	28361	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	8.14	63	21664	38.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56311	21.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	76213	26.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	57088	28.298	ug/L 100
3) Chloromethane	1.25	50	58726	27.314	ug/L 100
5) Vinyl chloride	1.32	62	64330	27.139	ug/L 99
6) Bromomethane	1.53	94	70852	24.011	ug/L 99
8) Chloroethane	1.59	64	67933	25.790	ug/L 99
9) Trichlorofluoromethane	1.76	101	137692	28.318	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	79284	29.120	ug/L 97
12) 1,1-Dichloroethene	2.14	96	67445	28.953	ug/L 81
13) Acetone	2.20	43	26182	35.830	ug/L 99
14) Carbon disulfide	2.31	76	167023	28.288	ug/L 100
15) Methyl Acetate	2.46	43	22052	18.635	ug/L 99
16) Methylene chloride	2.53	84	58756	25.552	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	131163	25.144	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	58440	27.930	ug/L 99
19) 1,1-Dichloroethane	3.23	63	106971	29.014	ug/L 100
21) 2-Butanone	4.03	43	30264	32.816	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	67112	28.411	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	28929	26.560	ug/L	94
25) Chloroform	4.42	83	119900	29.141	ug/L	99
27) 1,2-Dichloroethane	5.18	62	76014	26.601	ug/L	96
30) Cyclohexane	4.72	56	97852	27.747	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	107314	28.889	ug/L	99
32) Carbon tetrachloride	4.87	117	90761	28.900	ug/L	100
34) Benzene	5.14	78	244222	28.444	ug/L	100
35) Trichloroethene	5.96	95	68439	27.736	ug/L	97
36) Methylcyclohexane	6.17	83	114577	28.504	ug/L	97
40) 1,2-Dichloropropane	6.22	63	60361	27.265	ug/L	99
41) Bromodichloromethane	6.55	83	84767	28.367	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	93694	27.261	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	64691	37.068	ug/L	98
44) Toluene	7.43	91	277836	28.627	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	81306	27.087	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	47641	25.902	ug/L	96
47) Tetrachloroethene	8.02	164	53701	28.693	ug/L	95
49) 2-Hexanone	8.19	43	50420	38.207	ug/L	96
50) Dibromochloromethane	8.29	129	57745	25.932	ug/L	97
51) 1,2-Dibromoethane	8.40	107	46036	24.225	ug/L	99
52) Chlorobenzene	8.92	112	180907	28.121	ug/L	98
53) Ethylbenzene	9.05	91	320216	28.832	ug/L	98
54) m,p-Xylene	9.18	106	121523	28.910	ug/L	99
55) o-xylene	9.59	106	118587	29.257	ug/L	96
56) Styrene	9.60	104	192912	28.929	ug/L	98
57) Isopropylbenzene	9.97	105	326342	29.190	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	58827	22.651	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40612	21.692	ug/L	99
62) Bromoform	9.77	173	30476	23.670	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	138542	27.954	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	140265	27.696	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	126379	27.344	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9068	19.588	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	100361	28.231	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	78699	27.651	ug/L	99
69) Naphthalene	13.55	128	135442	22.592	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	70373	26.876	ug/L	98

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

