

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022019\
 Data File : VV009311.D
 Acq On : 20 Feb 2019 20:45
 Operator : SY/MD
 Sample : VSTD05072
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Feb 21 03:33:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 21 03:29:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153225	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	147599	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73242	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84298	32.68	ug/L	0.00
7) Chloroethane-d5	1.57	69	98640	20.44	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	221459	32.03	ug/L	0.00
20) 2-Butanone-d5	3.94	46	66827	105.24	ug/L	0.00
24) Chloroform-d	4.40	84	166954	44.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	94048	44.24	ug/L	0.00
29) Benzene-d6	5.10	84	343009	46.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	101327	46.43	ug/L	0.00
37) Toluene-d8	7.36	98	328422	45.68	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	53496	47.84	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	58354	118.92	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	114137	51.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	125624	47.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	81871	52.300	ug/L 96
3) Chloromethane	1.25	50	100495	39.054	ug/L 97
5) Vinyl chloride	1.32	62	113051	35.492	ug/L 97
6) Bromomethane	1.53	94	110524	29.105	ug/L 100
8) Chloroethane	1.59	64	93847	21.320	ug/L 99
9) Trichlorofluoromethane	1.76	101	222934	34.337	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	125427	34.562	ug/L 99
12) 1,1-Dichloroethene	2.14	96	105741	33.322	ug/L 96
13) Acetone	2.20	43	62412	89.653	ug/L 99
14) Carbon disulfide	2.31	76	283908	51.156	ug/L 98
15) Methyl Acetate	2.46	43	50139	53.619	ug/L 98
16) Methylene chloride	2.53	84	92488	46.277	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	240624	49.979	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	94641	49.338	ug/L 99
19) 1,1-Dichloroethane	3.23	63	160465	45.341	ug/L 99
21) 2-Butanone	4.03	43	83812	96.980	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	108176	48.828	ug/L 95
23) Bromochloromethane	4.30	128	48796	49.879	ug/L 98
25) Chloroform	4.43	83	171505	45.531	ug/L 99
27) 1,2-Dichloroethane	5.18	62	120213	42.519	ug/L 99
30) Cyclohexane	4.73	56	158955	44.237	ug/L 100
31) 1,1,1-Trichloroethane	4.66	97	158928	44.514	ug/L 99
32) Carbon tetrachloride	4.87	117	135328	44.241	ug/L 99
34) Benzene	5.15	78	385956	46.109	ug/L 100
35) Trichloroethene	5.96	95	104342	47.184	ug/L 98
36) Methylcyclohexane	6.18	83	183448	47.266	ug/L 100
40) 1,2-Dichloropropane	6.22	63	94964	47.353	ug/L 99
41) Bromodichloromethane	6.56	83	135710	46.456	ug/L 98
42) cis-1,3-Dichloropropene	7.07	75	161977	48.387	ug/L 97
43) 4-Methyl-2-pentanone	7.28	43	152006	92.051	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	428294	45.144	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	143435	47.197	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	84157	51.155	ug/L	97
47) Tetrachloroethene	8.02	164	84779	46.033	ug/L	98
49) 2-Hexanone	8.19	43	121048	91.214	ug/L	92
50) Dibromochloromethane	8.29	129	105009	49.434	ug/L	99
51) 1,2-Dibromoethane	8.40	107	85910	50.465	ug/L	98
52) Chlorobenzene	8.93	112	284044	45.888	ug/L	99
53) Ethylbenzene	9.05	91	486088	44.826	ug/L	99
54) m,p-Xylene	9.18	106	187060	45.097	ug/L	98
55) o-xylene	9.59	106	182454	45.232	ug/L	97
56) Styrene	9.60	104	312702	44.964	ug/L	98
57) Isopropylbenzene	9.97	105	493799	45.104	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	121124	52.180	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	85051	50.506	ug/L	99
62) Bromoform	9.77	173	66839	48.744	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	220557	45.651	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	222741	45.694	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	207827	45.489	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	24059	55.524	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	165003	46.145	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	139184	47.753	ug/L	99
69) Naphthalene	13.55	128	319392	56.123	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	128209	48.816	ug/L	97

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

