

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100919\
 Data File : VV013084.D
 Acq On : 09 Oct 2019 19:19
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Quant Time: Oct 10 07:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 10 07:47:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	662434	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	657680	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	362123	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	199002	19.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.44%
7) Chloroethane-d5	1.58	69	173887	20.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.68%
10) 1,1-Dichloroethene-d2	2.13	63	381593	22.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.32%
20) 2-Butanone-d5	3.95	46	178750	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
24) Chloroform-d	4.40	84	423816	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.08	65	241995	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	5.10	84	863148	23.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.04%
33) 1,2-Dichloropropane-d6	6.11	67	263811	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.68%
37) Toluene-d8	7.36	98	804545	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloropropene-	7.66	79	113488	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.16%
39) 2-Hexanone-d5	8.13	63	121057	52.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	257195	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	318241	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	184743	25.324 ug/L	99
3) Chloromethane	1.25	50	230403	24.184 ug/L	100
5) Vinyl chloride	1.32	62	233292	24.803 ug/L	99
6) Bromomethane	1.54	94	153529	26.147 ug/L	99
8) Chloroethane	1.60	64	150772	26.085 ug/L	99
9) Trichlorofluoromethane	1.77	101	321351	25.260 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	202187	24.866 ug/L	99
12) 1,1-Dichloroethene	2.14	96	188689	25.198 ug/L	98
13) Acetone	2.21	43	167343	44.365 ug/L	99
14) Carbon disulfide	2.32	76	541688	22.646 ug/L	100
15) Methyl Acetate	2.47	43	149496	25.553 ug/L	100
16) Methylene chloride	2.53	84	254808	25.735 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	565374	25.732 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	221335	24.971 ug/L	99
19) 1,1-Dichloroethane	3.23	63	416699	25.762 ug/L	99
21) 2-Butanone	4.03	43	212938	48.508 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	247885	25.553 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	122485	25.562	ug/L	98
25) Chloroform	4.42	83	430057	25.358	ug/L	99
27) 1,2-Dichloroethane	5.18	62	300315	25.054	ug/L	100
30) Cyclohexane	4.72	56	335086	23.748	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	337195	25.905	ug/L	99
32) Carbon tetrachloride	4.87	117	296413	25.114	ug/L	98
34) Benzene	5.14	78	958019	26.169	ug/L	100
35) Trichloroethene	5.96	95	252563	24.765	ug/L	100
36) Methylcyclohexane	6.17	83	368954	23.567	ug/L	99
40) 1,2-Dichloropropane	6.22	63	244121	25.643	ug/L	99
41) Bromodichloromethane	6.55	83	316070	25.920	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	362356	25.903	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	402756	51.492	ug/L	99
44) Toluene	7.43	91	1027294	26.606	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	300982	25.565	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	208574	25.806	ug/L	100
47) Tetrachloroethene	8.02	164	207736	25.063	ug/L	100
49) 2-Hexanone	8.18	43	290173	49.216	ug/L	99
50) Dibromochloromethane	8.29	129	240237	25.861	ug/L	99
51) 1,2-Dibromoethane	8.39	107	205629	25.962	ug/L	98
52) Chlorobenzene	8.92	112	679686	25.509	ug/L	99
53) Ethylbenzene	9.05	91	1116734	26.268	ug/L	99
54) m,p-Xylene	9.18	106	433172	26.802	ug/L	99
55) o-xylene	9.58	106	412912	26.814	ug/L	99
56) Styrene	9.60	104	746836	27.564	ug/L	99
57) Isopropylbenzene	9.97	105	1097474	27.118	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	261142	26.120	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	210431	25.501	ug/L	100
62) Bromoform	9.77	173	153576	24.992	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	566759	25.426	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	576899	24.660	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	533344	25.085	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	45449	24.111	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	431835	24.767	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	361050	23.680	ug/L	100
69) Naphthalene	13.55	128	746460	24.341	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	355652	24.261	ug/L	99

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

