

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100419\
 Data File : VV013039.D
 Acq On : 04 Oct 2019 10:08
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

Quant Time: Oct 04 18:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 04 07:46:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	741798	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	722846	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	390979	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	211314	18.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.44%
7) Chloroethane-d5	1.58	69	194153	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.44%
10) 1,1-Dichloroethene-d2	2.13	63	391482	20.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.80%
20) 2-Butanone-d5	3.95	46	181186	45.59	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.18%
24) Chloroform-d	4.40	84	436547	21.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.68%
26) 1,2-Dichloroethane-d4	5.08	65	246996	20.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.40%
29) Benzene-d6	5.09	84	865982	21.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.84%
33) 1,2-Dichloropropane-d6	6.11	67	273173	21.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.36%
37) Toluene-d8	7.36	98	798755	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.20%
38) trans-1,3-Dichloropropene-	7.66	79	111913	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.56%
39) 2-Hexanone-d5	8.13	63	122129	47.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	260955	21.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	319966	21.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	219303	26.845	ug/L 98
3) Chloromethane	1.25	50	266988	25.026	ug/L 99
5) Vinyl chloride	1.32	62	272394	25.861	ug/L 100
6) Bromomethane	1.54	94	167837	25.526	ug/L 97
8) Chloroethane	1.60	64	173483	26.803	ug/L 100
9) Trichlorofluoromethane	1.77	101	360819	25.328	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	222014	24.383	ug/L 98
12) 1,1-Dichloroethene	2.14	96	209196	24.947	ug/L 94
13) Acetone	2.22	43	219808	52.039	ug/L 99
14) Carbon disulfide	2.32	76	642409	23.983	ug/L 100
15) Methyl Acetate	2.47	43	155478	23.733	ug/L 98
16) Methylene chloride	2.53	84	265642	23.958	ug/L 100
17) Methyl tert-butyl Ether	2.80	73	606108	24.634	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	246472	24.832	ug/L 99
19) 1,1-Dichloroethane	3.23	63	457423	25.254	ug/L 99
21) 2-Butanone	4.04	43	239811	48.785	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	273764	25.202	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	129073	24.055	ug/L	97
25) Chloroform	4.42	83	463899	24.427	ug/L	99
27) 1,2-Dichloroethane	5.18	62	324596	24.182	ug/L	100
30) Cyclohexane	4.72	56	398466	25.694	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	373510	26.108	ug/L	99
32) Carbon tetrachloride	4.87	117	336489	25.940	ug/L	100
34) Benzene	5.14	78	1049731	26.089	ug/L	100
35) Trichloroethene	5.95	95	278937	24.886	ug/L	99
36) Methylcyclohexane	6.17	83	435654	25.319	ug/L	100
40) 1,2-Dichloropropane	6.22	63	265202	25.346	ug/L	99
41) Bromodichloromethane	6.55	83	337773	25.203	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	398184	25.899	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	436484	50.773	ug/L	98
44) Toluene	7.43	91	1126736	26.551	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	333977	25.810	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	220403	24.811	ug/L	99
47) Tetrachloroethene	8.02	164	232296	25.499	ug/L	98
49) 2-Hexanone	8.18	43	325373	50.211	ug/L	98
50) Dibromochloromethane	8.29	129	253375	24.817	ug/L	99
51) 1,2-Dibromoethane	8.39	107	216559	24.877	ug/L	98
52) Chlorobenzene	8.92	112	739625	25.256	ug/L	99
53) Ethylbenzene	9.05	91	1244659	26.638	ug/L	100
54) m,p-Xylene	9.18	106	476612	26.831	ug/L	99
55) o-xylene	9.59	106	454685	26.865	ug/L	99
56) Styrene	9.60	104	815306	27.378	ug/L	100
57) Isopropylbenzene	9.97	105	1223988	27.518	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	268046	24.394	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	215573	23.769	ug/L	99
62) Bromoform	9.77	173	161377	24.323	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	614552	25.536	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	619053	24.509	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	570627	24.858	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	46149	22.675	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	480741	25.537	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	407871	24.776	ug/L	100
69) Naphthalene	13.55	128	805484	24.327	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	388990	24.577	ug/L	100

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

