

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100719\
 Data File : VV013053.D
 Acq On : 07 Oct 2019 15:31
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

Quant Time: Oct 08 16:49:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 08 16:45:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	756660	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	737652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	406740	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	251754	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
7) Chloroethane-d5	1.58	69	211907	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.28%
10) 1,1-Dichloroethene-d2	2.13	63	471056	24.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.52%
20) 2-Butanone-d5	3.94	46	233378	57.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.14%
24) Chloroform-d	4.40	84	554844	26.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.76%
26) 1,2-Dichloroethane-d4	5.08	65	313267	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.72%
29) Benzene-d6	5.10	84	1100626	26.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.88%
33) 1,2-Dichloropropane-d6	6.11	67	346471	26.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.36%
37) Toluene-d8	7.36	98	1024871	27.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.64%
38) trans-1,3-Dichloropropene-	7.66	79	145715	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.64%
39) 2-Hexanone-d5	8.13	63	167844	64.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	341187	27.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	420683	26.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	240735	28.890	ug/L 99
3) Chloromethane	1.25	50	283002	26.006	ug/L 99
5) Vinyl chloride	1.32	62	292878	27.260	ug/L 99
6) Bromomethane	1.54	94	179194	26.718	ug/L 100
8) Chloroethane	1.60	64	161901	24.523	ug/L 98
9) Trichlorofluoromethane	1.77	101	403484	27.767	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	251158	27.042	ug/L 98
12) 1,1-Dichloroethene	2.14	96	234603	27.428	ug/L 95
13) Acetone	2.20	43	198627	46.101	ug/L 100
14) Carbon disulfide	2.32	76	696508	25.492	ug/L 100
15) Methyl Acetate	2.46	43	160958	24.086	ug/L 99
16) Methylene chloride	2.53	84	303804	26.862	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	677754	27.005	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	272570	26.922	ug/L 98
19) 1,1-Dichloroethane	3.23	63	502070	27.174	ug/L 99
21) 2-Butanone	4.02	43	222312	44.337	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	301335	27.195	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	145351	26.557	ug/L	98
25) Chloroform	4.42	83	515243	26.597	ug/L	100
27) 1,2-Dichloroethane	5.18	62	353811	25.841	ug/L	100
30) Cyclohexane	4.72	56	442600	27.967	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	413702	28.337	ug/L	99
32) Carbon tetrachloride	4.87	117	368915	27.868	ug/L	98
34) Benzene	5.14	78	1150913	28.030	ug/L	100
35) Trichloroethene	5.96	95	308139	26.939	ug/L	99
36) Methylcyclohexane	6.17	83	493032	28.078	ug/L	99
40) 1,2-Dichloropropane	6.22	63	290281	27.186	ug/L	100
41) Bromodichloromethane	6.55	83	375013	27.420	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	453400	28.898	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	467679	53.310	ug/L	99
44) Toluene	7.43	91	1238584	28.601	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	367068	27.798	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	243913	26.907	ug/L	99
47) Tetrachloroethene	8.02	164	257543	27.703	ug/L	99
49) 2-Hexanone	8.18	43	340912	51.553	ug/L	98
50) Dibromochloromethane	8.29	129	283149	27.176	ug/L	99
51) 1,2-Dibromoethane	8.39	107	240619	27.087	ug/L	100
52) Chlorobenzene	8.92	112	821567	27.491	ug/L	98
53) Ethylbenzene	9.05	91	1387180	29.093	ug/L	100
54) m,p-Xylene	9.18	106	540149	29.798	ug/L	98
55) o-xylene	9.59	106	515575	29.851	ug/L	98
56) Styrene	9.60	104	906999	29.846	ug/L	99
57) Isopropylbenzene	9.97	105	1365333	30.079	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	303702	27.084	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	238304	25.748	ug/L	100
62) Bromoform	9.77	173	182479	26.438	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	692394	27.655	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	699351	26.615	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	647940	27.132	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	51642	24.391	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	548996	28.032	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	472264	27.576	ug/L	100
69) Naphthalene	13.55	128	940899	27.316	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	452583	27.487	ug/L	99

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

