

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100219\
 Data File : VV013030.D
 Acq On : 02 Oct 2019 16:26
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Quant Time: Oct 03 04:00:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 03 03:55:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	727358	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	710140	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	392363	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	235935	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
7) Chloroethane-d5	1.58	69	182585	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.13	63	434090	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.92%
21) 2-Butanone-d5	3.94	46	204028	55.53	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.06%
24) Chloroform-d	4.40	84	472927	24.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.08	65	266643	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.68%
32) Benzene-d6	5.10	84	946617	24.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.11	67	296198	24.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.48%
41) Toluene-d8	7.36	98	884833	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	7.66	79	124025	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.28%
47) 2-Hexanone-d5	8.13	63	145987	56.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.78%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	295823	25.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.04%
66) 1,2-Dichlorobenzene-d4	11.67	152	357740	23.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	238764	30.639	ug/L	100
3) Chloromethane	1.25	50	285565	28.781	ug/L	99
5) Vinyl chloride	1.32	62	291025	28.469	ug/L	100
6) Bromomethane	1.53	94	166044	25.285	ug/L	98
8) Chloroethane	1.60	64	169604	26.250	ug/L	100
9) Trichlorofluoromethane	1.77	101	395711	28.578	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	245660	27.679	ug/L	97
12) 1,1-Dichloroethene	2.14	96	231538	27.776	ug/L	93
13) Acetone	2.20	43	210963	54.478	ug/L	99
14) Carbon disulfide	2.32	76	693392	27.103	ug/L	100
15) Methyl Acetate	2.46	43	169228	28.319	ug/L	98
16) Methylene chloride	2.53	84	285919	24.001	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	264231	26.889	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	657671	26.606	ug/L	99
19) 1,1-Dichloroethane	3.23	63	491494	27.253	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	294360	26.933	ug/L	99
22) 2-Butanone	4.02	43	247703	58.357	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	138722	25.890	ug/L	95
25) Chloroform	4.42	83	500837	26.637	ug/L	98
27) 1,2-Dichloroethane	5.18	62	353368	27.339	ug/L	98
29) Cyclohexane	4.72	56	430806	27.557	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	399065	27.512	ug/L	99
31) Carbon tetrachloride	4.87	117	359796	27.555	ug/L	99
33) Benzene	5.14	78	1119552	27.574	ug/L	100
34) Trichloroethene	5.96	95	298064	27.100	ug/L	99
35) Methylcyclohexane	6.17	83	475570	27.548	ug/L	99
37) 1,2-Dichloropropane	6.22	63	286686	27.519	ug/L	99
38) Bromodichloromethane	6.55	83	364866	26.831	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	428140	27.294	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	491650	59.050	ug/L	100
42) Toluene	7.43	91	1210233	28.027	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	357082	27.724	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	236210	26.729	ug/L	98
46) Tetrachloroethene	8.02	164	247160	27.159	ug/L	98
48) 2-Hexanone	8.18	43	377989	62.353	ug/L	99
49) Dibromochloromethane	8.29	129	274366	27.226	ug/L	99
50) 1,2-Dibromoethane	8.39	107	236625	27.141	ug/L	97
51) Chlorobenzene	8.92	112	787925	26.901	ug/L	100
52) Ethylbenzene	9.05	91	1322711	27.884	ug/L	99
53) m,p-Xylene	9.18	106	508840	28.061	ug/L	100
54) o-Xylene	9.59	106	485454	27.983	ug/L	97
55) Styrene	9.60	104	867006	28.546	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	306596	28.453	ug/L	100
59) Bromoform	9.77	173	179578	26.721	ug/L	99
60) Isopropylbenzene	9.97	105	1288175	27.242	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	245078	27.441	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	1059122	27.799	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	1075607	28.113	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	649989	26.189	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	668969	25.666	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	623030	26.291	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	54253	28.007	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	516181	25.831	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	443739	25.681	ug/L	100
71) Naphthalene	13.55	128	929378	27.612	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	427807	25.669	ug/L	100

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

