

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV060319\
 Data File : VV011200.D
 Acq On : 03 Jun 2019 14:14
 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: Jun 04 01:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 04 01:13:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	304623	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	312770	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	152875	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77866	18.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.56%
7) Chloroethane-d5	1.57	69	68188	21.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.08%
10) 1,1-Dichloroethene-d2	2.13	63	169438	20.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.12%
20) 2-Butanone-d5	3.93	46	75378	50.04	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.08%
24) Chloroform-d	4.40	84	169134	22.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.84%
26) 1,2-Dichloroethane-d4	5.08	65	118468	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	5.09	84	356053	20.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.84%
33) 1,2-Dichloropropane-d6	6.11	67	119577	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.88%
37) Toluene-d8	7.36	98	333263	20.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.20%
38) trans-1,3-Dichloropropene-	7.66	79	52241	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.84%
39) 2-Hexanone-d5	8.13	63	57190	46.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	114336	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	131113	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	110164	22.395	ug/L 99
3) Chloromethane	1.25	50	118297	24.596	ug/L 100
5) Vinyl chloride	1.32	62	109381	22.812	ug/L 99
6) Bromomethane	1.51	94	62643	24.235	ug/L 98
8) Chloroethane	1.59	64	66337	23.912	ug/L 99
9) Trichlorofluoromethane	1.76	101	154664	22.419	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	79381	21.483	ug/L 99
12) 1,1-Dichloroethene	2.14	96	74631	21.804	ug/L 86
13) Acetone	2.19	43	80088	45.700	ug/L 98
14) Carbon disulfide	2.31	76	236983	21.558	ug/L 99
15) Methyl Acetate	2.46	43	64105	24.310	ug/L 95
16) Methylene chloride	2.53	84	108753	23.427	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	288142	24.282	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	93757	22.487	ug/L 96
19) 1,1-Dichloroethane	3.23	63	192643	23.879	ug/L 98
21) 2-Butanone	4.02	43	90651	44.091	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	114973	24.689	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	51192	24.984	ug/L	90
25) Chloroform	4.42	83	221388	25.686	ug/L	99
27) 1,2-Dichloroethane	5.18	62	154802	25.649	ug/L	99
30) Cyclohexane	4.72	56	162219	19.395	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	158235	22.091	ug/L	99
32) Carbon tetrachloride	4.87	117	129240	21.283	ug/L	100
34) Benzene	5.14	78	412334	22.239	ug/L	100
35) Trichloroethene	5.96	95	111250	22.883	ug/L	98
36) Methylcyclohexane	6.17	83	158543	19.270	ug/L	98
40) 1,2-Dichloropropane	6.22	63	111523	22.882	ug/L	99
41) Bromodichloromethane	6.55	83	151777	23.908	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	176766	22.812	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	198012	44.721	ug/L	99
44) Toluene	7.43	91	461044	22.780	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	155832	23.562	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	89936	23.657	ug/L	97
47) Tetrachloroethene	8.02	164	77617	21.544	ug/L	95
49) 2-Hexanone	8.18	43	137472	43.092	ug/L	97
50) Dibromochloromethane	8.29	129	103686	24.134	ug/L	98
51) 1,2-Dibromoethane	8.39	107	86982	23.591	ug/L	100
52) Chlorobenzene	8.92	112	304536	23.506	ug/L	98
53) Ethylbenzene	9.05	91	528253	22.747	ug/L	100
54) m,p-Xylene	9.18	106	197186	22.828	ug/L	99
55) o-xylene	9.59	106	198446	23.359	ug/L	99
56) Styrene	9.60	104	342752	24.019	ug/L	97
57) Isopropylbenzene	9.97	105	509195	22.447	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	116016	22.458	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	93425	23.917	ug/L	99
62) Bromoform	9.77	173	57747	24.230	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	235008	23.731	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	236355	23.520	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	225070	24.005	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20371	22.393	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	172325	23.280	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	139488	23.482	ug/L	99
69) Naphthalene	13.55	128	282148	23.105	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	130748	23.733	ug/L	99

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

