

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092519\
 Data File : VV012967.D
 Acq On : 25 Sep 2019 09:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Quant Time: Sep 26 01:09:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 25 13:28:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	734358	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	724692	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	390501	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	271690	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.36%
7) Chloroethane-d5	1.58	69	230534	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.08%
10) 1,1-Dichloroethene-d2	2.13	63	481818	25.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.72%
20) 2-Butanone-d5	3.95	46	184082	46.79	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.58%
24) Chloroform-d	4.40	84	495020	24.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.16%
26) 1,2-Dichloroethane-d4	5.08	65	278994	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	5.09	84	1005009	24.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.36%
33) 1,2-Dichloropropane-d6	6.11	67	311448	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.24%
37) Toluene-d8	7.36	98	933366	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.64%
38) trans-1,3-Dichloropropene-	7.66	79	124584	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
39) 2-Hexanone-d5	8.13	63	129688	50.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	283953	23.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	347331	22.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	252362	31.205	ug/L 100
3) Chloromethane	1.25	50	293775	27.816	ug/L 99
5) Vinyl chloride	1.32	62	298499	28.627	ug/L 99
6) Bromomethane	1.53	94	182303	28.007	ug/L 99
8) Chloroethane	1.60	64	189755	29.614	ug/L 99
9) Trichlorofluoromethane	1.77	101	409381	29.028	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	254108	28.191	ug/L 99
12) 1,1-Dichloroethene	2.14	96	235286	28.343	ug/L 96
13) Acetone	2.21	43	218338	52.215	ug/L 100
14) Carbon disulfide	2.32	76	734686	27.706	ug/L 100
15) Methyl Acetate	2.46	43	158383	24.421	ug/L 100
16) Methylene chloride	2.53	84	278263	25.351	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	632085	25.950	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	268326	27.308	ug/L 99
19) 1,1-Dichloroethane	3.23	63	492112	27.444	ug/L 99
21) 2-Butanone	4.03	43	243199	49.975	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	282960	26.312	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	137141	25.818	ug/L	97
25) Chloroform	4.42	83	498304	26.504	ug/L	99
27) 1,2-Dichloroethane	5.17	62	353237	26.583	ug/L	100
30) Cyclohexane	4.72	56	446568	28.723	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	397755	27.732	ug/L	100
32) Carbon tetrachloride	4.87	117	363242	27.931	ug/L	99
34) Benzene	5.14	78	1133942	28.110	ug/L	100
35) Trichloroethene	5.95	95	295077	26.259	ug/L	99
36) Methylcyclohexane	6.17	83	489965	28.402	ug/L	99
40) 1,2-Dichloropropane	6.22	63	283249	27.001	ug/L	100
41) Bromodichloromethane	6.55	83	362589	26.985	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	415116	26.931	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	436146	50.605	ug/L	98
44) Toluene	7.43	91	1216082	28.583	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	346237	26.689	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	232202	26.073	ug/L	99
47) Tetrachloroethene	8.02	164	248796	27.241	ug/L	100
49) 2-Hexanone	8.18	43	352306	54.229	ug/L	97
50) Dibromochloromethane	8.29	129	268920	26.272	ug/L	99
51) 1,2-Dibromoethane	8.39	107	226214	25.920	ug/L	100
52) Chlorobenzene	8.92	112	780999	26.601	ug/L	99
53) Ethylbenzene	9.05	91	1330661	28.406	ug/L	99
54) m,p-Xylene	9.18	106	513398	28.829	ug/L	99
55) o-xylene	9.59	106	478515	28.201	ug/L	100
56) Styrene	9.60	104	861466	28.855	ug/L	99
57) Isopropylbenzene	9.97	105	1290841	28.947	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	281531	25.556	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	228131	25.090	ug/L	100
62) Bromoform	9.77	173	167962	25.347	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	643583	26.775	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	663312	26.293	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	599828	26.162	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	48042	23.634	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	493055	26.223	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	426831	25.960	ug/L	100
69) Naphthalene	13.55	128	856395	25.896	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	423770	26.807	ug/L	99

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

