

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050619\
 Data File : VV010686.D
 Acq On : 06 May 2019 21:06
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:06:53 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M

Quant Title : VOC Analysis

QLast Update : Tue May 07 04:01:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	206591	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	204107	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104273	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36630	14.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.00%
7) Chloroethane-d5	1.57	69	28502	15.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.28%
10) 1,1-Dichloroethene-d2	2.12	63	71589	15.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.44%
20) 2-Butanone-d5	3.93	46	38326	48.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.32%
24) Chloroform-d	4.40	84	121601	22.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.16%
26) 1,2-Dichloroethane-d4	5.08	65	68177	22.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.16%
29) Benzene-d6	5.10	84	242632	22.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.76%
33) 1,2-Dichloropropane-d6	6.12	67	76708	23.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.68%
37) Toluene-d8	7.36	98	236365	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
38) trans-1,3-Dichloropropene-	7.66	79	33420	24.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.80%
39) 2-Hexanone-d5	8.13	63	30636	53.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71977	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	97952	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	64653	21.168	ug/L 99
3) Chloromethane	1.25	50	49954	17.785	ug/L 96
5) Vinyl chloride	1.32	62	40973	16.177	ug/L 98
6) Bromomethane	1.51	94	24019	18.521	ug/L 99
8) Chloroethane	1.59	64	23941	17.913	ug/L 99
9) Trichlorofluoromethane	1.76	101	81213	18.114	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	40655	17.909	ug/L 99
12) 1,1-Dichloroethene	2.13	96	35556	17.914	ug/L 98
13) Acetone	2.19	43	19825	29.060	ug/L 98
14) Carbon disulfide	2.31	76	125663	19.122	ug/L 99
15) Methyl Acetate	2.46	43	30092	22.565	ug/L 97
16) Methylene chloride	2.53	84	66196	22.973	ug/L 94
17) Methyl tert-butyl Ether	2.80	73	163667	26.772	ug/L 96
18) trans-1,2-Dichloroethene	2.79	96	59129	23.459	ug/L 94
19) 1,1-Dichloroethane	3.23	63	108186	23.534	ug/L 99
21) 2-Butanone	4.02	43	41169	46.279	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	73316	26.647	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	35402	27.215	ug/L	93
25) Chloroform	4.42	83	125061	24.545	ug/L	99
27) 1,2-Dichloroethane	5.18	62	79806	24.182	ug/L #	95
30) Cyclohexane	4.72	56	83763	23.333	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	100128	25.112	ug/L	97
32) Carbon tetrachloride	4.87	117	88445	24.780	ug/L	100
34) Benzene	5.14	78	242456	24.849	ug/L	100
35) Trichloroethene	5.96	95	70102	25.189	ug/L	99
36) Methylcyclohexane	6.17	83	94097	23.663	ug/L	96
40) 1,2-Dichloropropane	6.22	63	63445	25.000	ug/L #	96
41) Bromodichloromethane	6.55	83	89313	26.579	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	99571	26.824	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	89704	50.203	ug/L #	92
44) Toluene	7.43	91	280996	26.094	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	86023	27.535	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	57472	27.121	ug/L	98
47) Tetrachloroethene	8.02	164	54215	24.990	ug/L	97
49) 2-Hexanone	8.18	43	61615	46.386	ug/L	96
50) Dibromochloromethane	8.29	129	71423	28.420	ug/L	96
51) 1,2-Dibromoethane	8.40	107	56134	27.463	ug/L	99
52) Chlorobenzene	8.93	112	196278	26.117	ug/L	99
53) Ethylbenzene	9.05	91	315427	25.899	ug/L	99
54) m,p-Xylene	9.18	106	119849	25.970	ug/L	97
55) o-xylene	9.59	106	123854	27.471	ug/L	97
56) Styrene	9.60	104	209597	27.392	ug/L	100
57) Isopropylbenzene	9.97	105	318589	26.928	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	69271	26.204	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	51467	25.880	ug/L	100
62) Bromoform	9.77	173	40188	27.480	ug/L #	98
63) 1,3-Dichlorobenzene	11.22	146	164314	27.614	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	162415	26.138	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	156893	26.707	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10825	25.055	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.69	180	125645	27.502	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	101980	29.256	ug/L	99
69) Naphthalene	13.55	128	216289	32.452	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	97167	29.553	ug/L	97

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

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