

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\
 Data File : VV010212.D
 Acq On : 10 Apr 2019 13:06
 Operator : SY/MD
 Sample : VSTD02590
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 10 13:54:42 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M

Quant Title : VOC Analysis

QLast Update : Wed Apr 10 12:21:10 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	292854	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	282927	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	144174	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75524	19.26	ug/L	0.00
7) Chloroethane-d5	1.57	69	63145	12.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	195441	19.76	ug/L	0.00
20) 2-Butanone-d5	3.93	46	40617	36.41	ug/L	-0.01
24) Chloroform-d	4.40	84	152646	20.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	87293	21.15	ug/L	0.00
29) Benzene-d6	5.10	84	315624	21.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	90742	20.96	ug/L	0.00
37) Toluene-d8	7.36	98	318126	22.50	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	41581	22.46	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	32713	37.67	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	87845	20.57	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	128407	22.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	112297	26.512	ug/L 98
3) Chloromethane	1.25	50	93605	24.799	ug/L 98
5) Vinyl chloride	1.32	62	100026	24.330	ug/L 100
6) Bromomethane	1.51	94	90543	19.469	ug/L 99
8) Chloroethane	1.59	64	63385	17.636	ug/L 100
9) Trichlorofluoromethane	1.77	101	197915	23.355	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104676	22.212	ug/L 97
12) 1,1-Dichloroethene	2.14	96	92111	23.006	ug/L 88
13) Acetone	2.19	43	40702	36.901	ug/L 97
14) Carbon disulfide	2.32	76	238149	28.661	ug/L 99
15) Methyl Acetate	2.46	43	39226	22.225	ug/L 98
16) Methylene chloride	2.54	84	120497	23.419	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	200463	23.378	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	89086	25.473	ug/L 96
19) 1,1-Dichloroethane	3.23	63	143788	24.199	ug/L 97
21) 2-Butanone	4.02	43	50245	41.595	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	96819	24.933	ug/L 96
23) Bromochloromethane	4.30	128	48878	25.942	ug/L 97
25) Chloroform	4.43	83	174692	26.235	ug/L 98
27) 1,2-Dichloroethane	5.18	62	112088	24.677	ug/L 99
30) Cyclohexane	4.73	56	126244	24.719	ug/L 98
31) 1,1,1-Trichloroethane	4.66	97	143605	24.888	ug/L 99
32) Carbon tetrachloride	4.88	117	133301	25.847	ug/L 98
34) Benzene	5.15	78	350987	25.368	ug/L 100
35) Trichloroethene	5.96	95	101451	25.475	ug/L 98
36) Methylcyclohexane	6.18	83	152072	25.490	ug/L 99
40) 1,2-Dichloropropane	6.22	63	81725	23.378	ug/L 98
41) Bromodichloromethane	6.56	83	115190	25.337	ug/L 97
42) cis-1,3-Dichloropropene	7.07	75	131285	25.944	ug/L 100
43) 4-Methyl-2-pentanone	7.27	43	111149	42.973	ug/L 98

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 QLast Update : Wed Apr 10 12:21:10 2019
 Response via : Initial Calibration

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

44) Toluene	7.43	91	397854	25.622	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	114493	26.603	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	72713	23.458	ug/L	96
47) Tetrachloroethene	8.02	164	89358	26.807	ug/L	92
49) 2-Hexanone	8.18	43	74019	40.066	ug/L	97
50) Dibromochloromethane	8.29	129	90921	26.166	ug/L	99
51) 1,2-Dibromoethane	8.40	107	73778	24.084	ug/L	98
52) Chlorobenzene	8.93	112	276613	26.116	ug/L	99
53) Ethylbenzene	9.06	91	447457	26.279	ug/L	99
54) m,p-Xylene	9.18	106	173965	26.249	ug/L	97
55) o-xylene	9.59	106	176707	27.521	ug/L	90
56) Styrene	9.60	104	287193	27.040	ug/L	100
57) Isopropylbenzene	9.97	105	452249	26.708	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	91383	22.953	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63992	22.415	ug/L	98
62) Bromoform	9.77	173	50104	24.709	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	227047	26.830	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	226749	25.723	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	213907	25.731	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12091	21.450	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	170241	27.090	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	115441	23.989	ug/L	97
69) Naphthalene	13.55	128	155897	19.472	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	109853	24.451	ug/L	97

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

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