

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\
 Data File : VV010214.D
 Acq On : 10 Apr 2019 13:59
 Operator : SY/MD
 Sample : VSTD10092
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 10 14:23:57 2019

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

Quant Title : VOC Analysis

QLast Update : Wed Apr 10 13:55:42 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	287489	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	288657	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	163081	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	298005	77.43	ug/L	0.00
7) Chloroethane-d5	1.56	69	265985	55.64	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	806863	83.11	ug/L	0.00
20) 2-Butanone-d5	3.93	46	205487	187.63	ug/L	0.00
24) Chloroform-d	4.40	84	666088	91.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	381315	94.10	ug/L	0.00
29) Benzene-d6	5.10	84	1311463	87.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	390999	88.51	ug/L	0.00
37) Toluene-d8	7.36	98	1340161	92.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	197305	104.48	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	176808	199.55	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	405364	93.04	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	592129	93.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	431939	103.879	ug/L 99
3) Chloromethane	1.25	50	365269	98.576	ug/L 98
5) Vinyl chloride	1.32	62	388156	96.174	ug/L 99
6) Bromomethane	1.51	94	289419	63.394	ug/L 100
8) Chloroethane	1.58	64	247826	70.242	ug/L 97
9) Trichlorofluoromethane	1.76	101	755704	90.839	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	408151	88.226	ug/L 98
12) 1,1-Dichloroethene	2.14	96	367854	93.591	ug/L 95
13) Acetone	2.19	43	173201	159.957	ug/L 99
14) Carbon disulfide	2.31	76	959644	117.647	ug/L 99
15) Methyl Acetate	2.45	43	170468	98.390	ug/L 97
16) Methylene chloride	2.53	84	369885	73.230	ug/L 100
17) Methyl tert-butyl Ether	2.80	73	880871	104.643	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	349361	101.761	ug/L 96
19) 1,1-Dichloroethane	3.23	63	584749	100.247	ug/L 97
21) 2-Butanone	4.01	43	232420	195.996	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	401755	105.391	ug/L 93
23) Bromochloromethane	4.30	128	200605	108.458	ug/L 94
25) Chloroform	4.42	83	674190	103.138	ug/L 98
27) 1,2-Dichloroethane	5.18	62	465978	104.503	ug/L 100
30) Cyclohexane	4.72	56	510626	97.996	ug/L 100
31) 1,1,1-Trichloroethane	4.66	97	581289	98.742	ug/L 100
32) Carbon tetrachloride	4.87	117	552539	105.009	ug/L 99
34) Benzene	5.14	78	1374535	97.374	ug/L 100
35) Trichloroethene	5.96	95	390421	96.093	ug/L 95
36) Methylcyclohexane	6.18	83	613340	100.765	ug/L 97
40) 1,2-Dichloropropane	6.22	63	344640	96.629	ug/L 99
41) Bromodichloromethane	6.55	83	505806	109.049	ug/L 99
42) cis-1,3-Dichloropropene	7.07	75	598257	115.877	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	515474	195.338	ug/L 99

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

44) Toluene	7.43	91	1620672	102.299	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	523549	119.234	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	309541	97.877	ug/L	99
47) Tetrachloroethene	8.02	164	350965	103.198	ug/L	98
49) 2-Hexanone	8.18	43	380055	201.636	ug/L	98
50) Dibromochloromethane	8.29	129	420650	118.654	ug/L	96
51) 1,2-Dibromoethane	8.40	107	324069	103.688	ug/L	98
52) Chlorobenzene	8.93	112	1132743	104.825	ug/L	99
53) Ethylbenzene	9.05	91	1844548	106.178	ug/L	99
54) m,p-Xylene	9.18	106	741757	109.701	ug/L	98
55) o-xylene	9.59	106	742777	113.388	ug/L	95
56) Styrene	9.60	104	1277443	117.886	ug/L	99
57) Isopropylbenzene	9.97	105	1908837	110.492	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	403998	99.461	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	294634	101.157	ug/L	97
62) Bromoform	9.77	173	271168	118.224	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	977971	102.168	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	1000213	100.311	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	944618	100.455	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	64653	101.402	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	754941	106.205	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	613117	112.636	ug/L	98
69) Naphthalene	13.55	128	1028586	113.578	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	577670	113.670	ug/L	99

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

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