

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\
 Data File : VV010211.D
 Acq On : 10 Apr 2019 12:40
 Operator : SY/MD
 Sample : VSTD00589
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 10 14:06:56 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	297945	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	276974	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135520	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19224	4.82	ug/L	0.00
7) Chloroethane-d5	1.57	69	16521	3.33	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	46919	4.66	ug/L	0.00
20) 2-Butanone-d5	3.94	46	7821m	6.89	ug/L	0.01
24) Chloroform-d	4.40	84	36629	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	20238	4.82	ug/L	0.00
29) Benzene-d6	5.10	84	73378	5.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	21415	5.05	ug/L	0.00
37) Toluene-d8	7.36	98	66471	4.80	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	7616	4.20	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	6329	7.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	18167	4.35	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	26175	4.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25175	5.842 ug/L	98
3) Chloromethane	1.25	50	20423	5.318 ug/L	99
5) Vinyl chloride	1.32	62	22013	5.263 ug/L	100
6) Bromomethane	1.52	94	16662	3.522 ug/L	98
8) Chloroethane	1.59	64	14015	3.833 ug/L	98
9) Trichlorofluoromethane	1.76	101	45722	5.303 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	25845	5.391 ug/L	95
12) 1,1-Dichloroethene	2.14	96	20985	5.152 ug/L	94
13) Acetone	2.19	43	10030	8.938 ug/L	95
14) Carbon disulfide	2.31	76	45240	5.352 ug/L	99
15) Methyl Acetate	2.46	43	9035	5.032 ug/L	98
16) Methylene chloride	2.53	84	40414	7.720 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	43209	4.953 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	19647	5.522 ug/L	89
19) 1,1-Dichloroethane	3.23	63	32456	5.369 ug/L	98
21) 2-Butanone	4.03	43	11170	9.089 ug/L #	68
22) cis-1,2-Dichloroethene	3.96	96	20273	5.132 ug/L	92
23) Bromochloromethane	4.30	128	10094	5.266 ug/L	96
25) Chloroform	4.42	83	36726	5.421 ug/L	99
27) 1,2-Dichloroethane	5.18	62	24625	5.329 ug/L	98
30) Cyclohexane	4.73	56	28209	5.642 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	30668	5.429 ug/L	98
32) Carbon tetrachloride	4.88	117	28489	5.643 ug/L	97
34) Benzene	5.15	78	76314	5.634 ug/L	100
35) Trichloroethene	5.96	95	22344	5.731 ug/L	98
36) Methylcyclohexane	6.18	83	33085	5.665 ug/L	97
40) 1,2-Dichloropropane	6.22	63	17926	5.238 ug/L #	95
41) Bromodichloromethane	6.55	83	22374	5.027 ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	25480	5.143 ug/L	92
43) 4-Methyl-2-pentanone	7.27	43	22096	8.726 ug/L	99

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

44) Toluene	7.43	91	79958	5.260	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	19519	4.633	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	14743	4.858	ug/L	96
47) Tetrachloroethene	8.02	164	18750	5.746	ug/L	96
49) 2-Hexanone	8.19	43	13368	7.391	ug/L	90
50) Dibromochloromethane	8.29	129	16395	4.820	ug/L	96
51) 1,2-Dibromoethane	8.40	107	14982	4.996	ug/L	89
52) Chlorobenzene	8.92	112	57639	5.559	ug/L	96
53) Ethylbenzene	9.05	91	87783	5.266	ug/L	98
54) m,p-Xylene	9.18	106	34860	5.373	ug/L	98
55) o-xylene	9.59	106	33512	5.332	ug/L	97
56) Styrene	9.60	104	51283	4.932	ug/L	100
57) Isopropylbenzene	9.97	105	85412	5.153	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	18007	4.620	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	13350	4.777	ug/L	100
62) Bromoform	9.77	173	9059	4.753	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	43751	5.500	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	45836	5.532	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	42378	5.423	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2141	4.041	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	33113	5.606	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	21320	4.713	ug/L	95
69) Naphthalene	13.55	128	21194	2.816	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	18559	4.395	ug/L	99

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

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