

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\
 Data File : VV010216.D
 Acq On : 10 Apr 2019 18:08
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:09:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 07:05:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	265635	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	256433	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	131247	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81274	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.32%
7) Chloroethane-d5	1.57	69	68324	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.00%
10) 1,1-Dichloroethene-d2	2.13	63	206840	26.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.32%
20) 2-Butanone-d5	3.93	46	41571	53.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
24) Chloroform-d	4.40	84	155646	25.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.64%
26) 1,2-Dichloroethane-d4	5.08	65	86746	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.44%
29) Benzene-d6	5.10	84	323237	26.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.56%
33) 1,2-Dichloropropane-d6	6.12	67	92808	25.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.92%
37) Toluene-d8	7.36	98	327463	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.64%
38) trans-1,3-Dichloropropene-	7.66	79	40262	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.04%
39) 2-Hexanone-d5	8.13	63	33058	52.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	84074	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	129131	26.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	122680	28.820	ug/L 97
3) Chloromethane	1.25	50	97211	27.831	ug/L 99
5) Vinyl chloride	1.33	62	110363	29.382	ug/L 97
6) Bromomethane	1.51	94	94986	31.201	ug/L 98
8) Chloroethane	1.59	64	65220	27.846	ug/L 100
9) Trichlorofluoromethane	1.77	101	213864	28.113	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	112913	27.725	ug/L 98
12) 1,1-Dichloroethene	2.14	96	98819	28.197	ug/L 97
13) Acetone	2.19	43	41951	50.740	ug/L 99
14) Carbon disulfide	2.32	76	253885	29.997	ug/L 99
15) Methyl Acetate	2.46	43	39445	26.787	ug/L 100
16) Methylene chloride	2.54	84	96551	18.560	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	202825	26.745	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	92729	27.846	ug/L 93
19) 1,1-Dichloroethane	3.23	63	152929	27.918	ug/L 98
21) 2-Butanone	4.01	43	49167	52.139	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	100112	27.630	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47578	26.667	ug/L	90
25) Chloroform	4.42	83	180956	27.811	ug/L	100
27) 1,2-Dichloroethane	5.18	62	109101	26.200	ug/L	98
30) Cyclohexane	4.73	56	139478	29.045	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	155317	28.955	ug/L	99
32) Carbon tetrachloride	4.87	117	148905	29.790	ug/L	97
34) Benzene	5.15	78	358087	27.548	ug/L	100
35) Trichloroethene	5.96	95	105891	28.194	ug/L	98
36) Methylcyclohexane	6.17	83	166829	29.726	ug/L	98
40) 1,2-Dichloropropane	6.22	63	83604	26.285	ug/L	100
41) Bromodichloromethane	6.55	83	116593	27.511	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	135836	28.181	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	105052	51.031	ug/L	95
44) Toluene	7.43	91	412914	28.256	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	112212	27.739	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	74380	27.568	ug/L	98
47) Tetrachloroethene	8.02	164	95994	28.831	ug/L	97
49) 2-Hexanone	8.18	43	76815	56.753	ug/L	96
50) Dibromochloromethane	8.29	129	90486	27.416	ug/L	99
51) 1,2-Dibromoethane	8.40	107	73628	26.756	ug/L	98
52) Chlorobenzene	8.92	112	277872	27.250	ug/L	98
53) Ethylbenzene	9.05	91	470358	29.189	ug/L	99
54) m,p-Xylene	9.18	106	184354	29.000	ug/L	98
55) o-xylene	9.59	106	177100	27.976	ug/L	95
56) Styrene	9.60	104	293026	29.072	ug/L	100
57) Isopropylbenzene	9.97	105	481905	29.952	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	89195	26.748	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63963	26.062	ug/L	97
62) Bromoform	9.77	173	50046	26.274	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	230550	28.330	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	233470	28.194	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	215916	27.795	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11744	26.724	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	176722	29.306	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	124781	30.199	ug/L	95
69) Naphthalene	13.55	128	164023	29.212	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	111854	29.190	ug/L	100

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

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