

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041019\
 Data File : VV010232.D
 Acq On : 11 Apr 2019 01:19
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:13:29 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	265664	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	278651	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	146274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69490	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	1.57	69	64804	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.64%
10) 1,1-Dichloroethene-d2	2.13	63	179665	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.32%
20) 2-Butanone-d5	3.93	46	48794	63.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.10%
24) Chloroform-d	4.40	84	169270	27.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.08	65	96561	27.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.80%
29) Benzene-d6	5.10	84	321970	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	6.12	67	97765	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	7.36	98	317334	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.88%
38) trans-1,3-Dichloropropene-	7.66	79	42903	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.00%
39) 2-Hexanone-d5	8.13	63	39681	57.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97956	27.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	137427	25.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93691	22.007	ug/L 97
3) Chloromethane	1.25	50	88856	25.436	ug/L 100
5) Vinyl chloride	1.33	62	90072	23.977	ug/L 100
6) Bromomethane	1.51	94	74855	24.586	ug/L 98
8) Chloroethane	1.59	64	61034	26.056	ug/L 99
9) Trichlorofluoromethane	1.76	101	171954	22.601	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90767	22.285	ug/L 98
12) 1,1-Dichloroethene	2.14	96	82161	23.441	ug/L 95
13) Acetone	2.19	43	49684	60.086	ug/L 100
14) Carbon disulfide	2.32	76	208037	24.578	ug/L 98
15) Methyl Acetate	2.46	43	41830	28.404	ug/L 96
16) Methylene chloride	2.53	84	101796	19.566	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	215159	28.368	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	82287	24.708	ug/L 99
19) 1,1-Dichloroethane	3.23	63	144163	26.315	ug/L 97
21) 2-Butanone	4.01	43	53389	56.610	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	96372	26.595	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49709	27.858	ug/L	94
25) Chloroform	4.43	83	162459	24.966	ug/L	96
27) 1,2-Dichloroethane	5.18	62	116096	27.877	ug/L	98
30) Cyclohexane	4.73	56	106401	20.390	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	136539	23.425	ug/L	98
32) Carbon tetrachloride	4.88	117	121247	22.323	ug/L	97
34) Benzene	5.15	78	335251	23.735	ug/L	100
35) Trichloroethene	5.96	95	94396	23.130	ug/L	97
36) Methylcyclohexane	6.18	83	133681	21.920	ug/L	97
40) 1,2-Dichloropropane	6.22	63	88291	25.545	ug/L #	96
41) Bromodichloromethane	6.55	83	113758	24.702	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	130331	24.883	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	120859	54.028	ug/L	99
44) Toluene	7.43	91	383264	24.136	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	114522	26.053	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	76794	26.193	ug/L	99
47) Tetrachloroethene	8.02	164	79093	21.861	ug/L	97
49) 2-Hexanone	8.18	43	86396	58.742	ug/L	98
50) Dibromochloromethane	8.29	129	92466	25.782	ug/L	98
51) 1,2-Dibromoethane	8.40	107	79346	26.535	ug/L	98
52) Chlorobenzene	8.93	112	272195	24.565	ug/L	98
53) Ethylbenzene	9.05	91	425035	24.273	ug/L	98
54) m,p-Xylene	9.18	106	169804	24.582	ug/L	98
55) o-xylene	9.59	106	173213	25.180	ug/L	96
56) Styrene	9.60	104	285411	26.059	ug/L	99
57) Isopropylbenzene	9.97	105	426621	24.402	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	98464	27.173	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	69472	26.050	ug/L	97
62) Bromoform	9.77	173	53556	25.228	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	226106	24.930	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	227278	24.626	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	220132	25.427	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13044	26.633	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	165505	24.627	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	117336	25.480	ug/L	97
69) Naphthalene	13.55	128	171523	27.409	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	113974	26.687	ug/L	98

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

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