

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120618\
 Data File : VV008864.D
 Acq On : 06 Dec 2018 18:53
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

Quant Time: Dec 07 01:36:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:18:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	184732	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165665	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77440	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49931	26.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.48%
7) Chloroethane-d5	1.58	69	37451	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.08%
10) 1,1-Dichloroethene-d2	2.13	63	135456	28.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.36%#
20) 2-Butanone-d5	3.94	46	42725	61.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.78%
24) Chloroform-d	4.40	84	116799	26.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.08	65	65951	27.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.84%
29) Benzene-d6	5.10	84	233489	25.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.92%
33) 1,2-Dichloropropane-d6	6.12	67	65884	25.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.72%
37) Toluene-d8	7.36	98	218650	25.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.16%
38) trans-1,3-Dichloropropene-	7.66	79	30407	26.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.88%
39) 2-Hexanone-d5	8.13	63	27563	58.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62837	28.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	73170	25.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	70325	23.223 ug/L	98
3) Chloromethane	1.25	50	50463	24.251 ug/L	100
5) Vinyl chloride	1.32	62	56852	24.474 ug/L	99
6) Bromomethane	1.53	94	31827	28.497 ug/L	98
8) Chloroethane	1.60	64	32974	25.344 ug/L	99
9) Trichlorofluoromethane	1.77	101	117178	29.450 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	74000	27.117 ug/L	99
12) 1,1-Dichloroethene	2.14	96	65419	27.472 ug/L	98
13) Acetone	2.19	43	64467	62.868 ug/L	100
14) Carbon disulfide	2.32	76	194009	25.372 ug/L	100
15) Methyl Acetate	2.46	43	37657	28.960 ug/L	96
16) Methylene chloride	2.53	84	73033	23.477 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	152379	28.166 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	68167	26.491 ug/L	97
19) 1,1-Dichloroethane	3.23	63	109633	26.282 ug/L	98
21) 2-Butanone	4.02	43	60421	62.867 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	71187	26.532 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33511	26.500	ug/L	94
25) Chloroform	4.43	83	119104	26.605	ug/L	98
27) 1,2-Dichloroethane	5.18	62	82378	27.013	ug/L	99
30) Cyclohexane	4.73	56	103714	24.862	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	108228	25.339	ug/L	99
32) Carbon tetrachloride	4.88	117	97336	24.962	ug/L	99
34) Benzene	5.15	78	252646	25.454	ug/L	100
35) Trichloroethene	5.96	95	75645	25.280	ug/L	99
36) Methylcyclohexane	6.18	83	121729	25.507	ug/L	100
40) 1,2-Dichloropropane	6.22	63	60930	25.578	ug/L	98
41) Bromodichloromethane	6.56	83	80902	25.768	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	95573	27.404	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	92513	57.459	ug/L	98
44) Toluene	7.43	91	270982	26.033	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	82370	27.093	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	54329	27.372	ug/L	98
47) Tetrachloroethene	8.02	164	60555	24.884	ug/L	98
49) 2-Hexanone	8.19	43	73029	54.825	ug/L	96
50) Dibromochloromethane	8.29	129	62734	27.573	ug/L	99
51) 1,2-Dibromoethane	8.40	107	55244	27.716	ug/L	100
52) Chlorobenzene	8.93	112	176902	26.100	ug/L	99
53) Ethylbenzene	9.06	91	292455	25.899	ug/L	98
54) m,p-Xylene	9.18	106	113694	26.591	ug/L	97
55) o-xylene	9.59	106	105359	26.521	ug/L	96
56) Styrene	9.60	104	176748	27.580	ug/L	96
57) Isopropylbenzene	9.98	105	290540	26.909	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	62945	29.335	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	53627	28.884	ug/L	99
62) Bromoform	9.78	173	37186	26.596	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	133269	26.707	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	133800	26.056	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	123766	26.904	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10567	28.037	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	92452	25.651	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	68405	27.086	ug/L	97
69) Naphthalene	13.55	128	118438	27.228	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	64525	27.658	ug/L	100

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

