

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
 Data File : VV009078.D
 Acq On : 20 Dec 2018 11:08
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Quant Time: Dec 21 00:23:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 20 03:44:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280005	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	246441	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118058	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	62021	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.60%
7) Chloroethane-d5	1.58	69	58871	27.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.00%
10) 1,1-Dichloroethene-d2	2.13	63	161768	22.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.32%
20) 2-Butanone-d5	3.93	46	39151	37.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.22%
24) Chloroform-d	4.40	84	163381	24.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	5.08	65	88202	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	5.09	84	314781	22.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.48%
33) 1,2-Dichloropropane-d6	6.11	67	91314	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.80%
37) Toluene-d8	7.36	98	296793	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.20%
38) trans-1,3-Dichloropropene-	7.66	79	40743	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.28%
39) 2-Hexanone-d5	8.13	63	24921	35.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	69307	21.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	103362	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	94992	20.696	ug/L 99
3) Chloromethane	1.25	50	71518	22.675	ug/L 98
5) Vinyl chloride	1.32	62	79790	22.661	ug/L 98
6) Bromomethane	1.53	94	45181	26.689	ug/L 98
8) Chloroethane	1.60	64	59621	30.233	ug/L 100
9) Trichlorofluoromethane	1.77	101	172028	28.524	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	98272	23.759	ug/L 97
12) 1,1-Dichloroethene	2.14	96	84844	23.506	ug/L 93
13) Acetone	2.19	43	63762	41.023	ug/L 99
14) Carbon disulfide	2.32	76	254652	21.971	ug/L 99
15) Methyl Acetate	2.46	43	35861	18.195	ug/L 98
16) Methylene chloride	2.53	84	98372	20.863	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	196104	23.915	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	93454	23.961	ug/L 96
19) 1,1-Dichloroethane	3.23	63	155233	24.552	ug/L 99
21) 2-Butanone	4.02	43	59216	40.649	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	99757	24.530	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	45770	23.879	ug/L	97
25) Chloroform	4.42	83	170294	25.096	ug/L	98
27) 1,2-Dichloroethane	5.18	62	111963	24.222	ug/L	100
30) Cyclohexane	4.72	56	142329	22.936	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	157379	24.769	ug/L	99
32) Carbon tetrachloride	4.87	117	146454	25.247	ug/L	99
34) Benzene	5.14	78	351186	23.785	ug/L	100
35) Trichloroethene	5.96	95	107589	24.170	ug/L	99
36) Methylcyclohexane	6.17	83	169307	23.848	ug/L	99
40) 1,2-Dichloropropane	6.22	63	86687	24.463	ug/L	99
41) Bromodichloromethane	6.55	83	118029	25.271	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	136227	26.258	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	84089	35.109	ug/L	100
44) Toluene	7.43	91	380670	24.584	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	112777	24.936	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	70411	23.847	ug/L	98
47) Tetrachloroethene	8.02	164	84936	23.463	ug/L	99
49) 2-Hexanone	8.18	43	66527	33.574	ug/L	95
50) Dibromochloromethane	8.29	129	86706	25.618	ug/L	98
51) 1,2-Dibromoethane	8.40	107	68302	23.036	ug/L	99
52) Chlorobenzene	8.92	112	249856	24.781	ug/L	99
53) Ethylbenzene	9.05	91	426799	25.407	ug/L	97
54) m,p-Xylene	9.18	106	163492	25.704	ug/L	99
55) o-xylene	9.59	106	153389	25.956	ug/L	99
56) Styrene	9.60	104	255576	26.809	ug/L	98
57) Isopropylbenzene	9.97	105	423199	26.348	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	67297	21.083	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	56826	20.575	ug/L	98
62) Bromoform	9.78	173	48166	22.597	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	190408	25.029	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	189390	24.193	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	172661	24.620	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10271	17.876	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	133962	24.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	99517	25.848	ug/L	95
69) Naphthalene	13.55	128	141522	21.341	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	86331	24.273	ug/L	99

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

