

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010656.D
 Acq On : 03 May 2019 12:33
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

Quant Time: May 03 23:16:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 03 23:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	212634	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	210472	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	102217	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57243	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
7) Chloroethane-d5	1.57	69	42259	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.13	63	105918	22.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.76%
20) 2-Butanone-d5	3.93	46	41339	50.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.94%
24) Chloroform-d	4.40	84	136562	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.08	65	76986	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.84%
29) Benzene-d6	5.10	84	290948	26.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.72%
33) 1,2-Dichloropropane-d6	6.11	67	86900	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.04%
37) Toluene-d8	7.36	98	285434	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.92%
38) trans-1,3-Dichloropropene-	7.66	79	37527	27.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.68%
39) 2-Hexanone-d5	8.13	63	32860	55.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75849	25.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	108035	27.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	76036	24.188	ug/L 99
3) Chloromethane	1.25	50	60947	21.082	ug/L 99
5) Vinyl chloride	1.32	62	54540	20.922	ug/L 100
6) Bromomethane	1.51	94	24289	18.197	ug/L 97
8) Chloroethane	1.59	64	30440	22.129	ug/L 100
9) Trichlorofluoromethane	1.76	101	98810	21.412	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	51841	22.188	ug/L 99
12) 1,1-Dichloroethene	2.13	96	44713	21.888	ug/L 86
13) Acetone	2.19	43	23792	33.883	ug/L 98
14) Carbon disulfide	2.31	76	151084	22.337	ug/L 100
15) Methyl Acetate	2.46	43	28767	20.958	ug/L 99
16) Methylene chloride	2.53	84	65463	22.073	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	152737	24.274	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	61897	23.859	ug/L 97
19) 1,1-Dichloroethane	3.23	63	109848	23.216	ug/L 99
21) 2-Butanone	4.01	43	41214	45.013	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	71646	25.300	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	32408	24.205	ug/L	94
25) Chloroform	4.42	83	125014	23.838	ug/L	99
27) 1,2-Dichloroethane	5.18	62	77366	22.776	ug/L	96
30) Cyclohexane	4.72	56	95167	25.709	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	106346	25.865	ug/L	99
32) Carbon tetrachloride	4.87	117	94385	25.645	ug/L	98
34) Benzene	5.14	78	244343	24.285	ug/L	100
35) Trichloroethene	5.95	95	71306	24.847	ug/L	98
36) Methylcyclohexane	6.17	83	107580	26.236	ug/L	96
40) 1,2-Dichloropropane	6.22	63	62003	23.693	ug/L	100
41) Bromodichloromethane	6.55	83	86305	24.907	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	101439	26.500	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	85668	46.494	ug/L	96
44) Toluene	7.43	91	283576	25.538	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	82734	25.682	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	54703	25.034	ug/L	94
47) Tetrachloroethene	8.02	164	57578	25.738	ug/L	98
49) 2-Hexanone	8.18	43	61956	45.232	ug/L	96
50) Dibromochloromethane	8.29	129	65327	25.208	ug/L	98
51) 1,2-Dibromoethane	8.40	107	51497	24.433	ug/L	99
52) Chlorobenzene	8.92	112	196764	25.390	ug/L	99
53) Ethylbenzene	9.05	91	327276	26.060	ug/L	99
54) m,p-Xylene	9.18	106	122970	25.840	ug/L	98
55) o-xylene	9.59	106	121342	26.100	ug/L	98
56) Styrene	9.60	104	206611	26.185	ug/L	98
57) Isopropylbenzene	9.97	105	332462	27.251	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	63321	23.229	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	46651	22.748	ug/L	98
62) Bromoform	9.77	173	36094	25.177	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	158674	27.203	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	156080	25.624	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	148416	25.773	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9980	23.564	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	120186	26.837	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	96183	28.148	ug/L	99
69) Naphthalene	13.55	128	184226	28.197	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	88804	27.552	ug/L	96

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

