

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040519\
 Data File : VV010141.D
 Acq On : 05 Apr 2019 20:20
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02582

Quant Time: Apr 05 23:24:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:26:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	295437	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	272535	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	142289	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78465	19.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.36%
7) Chloroethane-d5	1.58	69	119227	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
10) 1,1-Dichloroethene-d2	2.13	63	205504	20.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.40%
20) 2-Butanone-d5	3.95	46	69746	61.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.94%
24) Chloroform-d	4.40	84	187114	25.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	5.08	65	103419	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.36%
29) Benzene-d6	5.10	84	364971	25.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.28%
33) 1,2-Dichloropropane-d6	6.12	67	108654	26.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.20%
37) Toluene-d8	7.36	98	345648	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.52%
38) trans-1,3-Dichloropropene-	7.66	79	49326	27.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.64%
39) 2-Hexanone-d5	8.14	63	50034	59.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.62%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	115190	28.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	144448	26.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	95122	22.261	ug/L 100
3) Chloromethane	1.25	50	78977	20.740	ug/L 99
5) Vinyl chloride	1.32	62	88905	21.436	ug/L 99
6) Bromomethane	1.54	94	81585	17.389	ug/L 100
8) Chloroethane	1.60	64	92226	25.437	ug/L 97
9) Trichlorofluoromethane	1.76	101	199858	23.378	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110770	23.300	ug/L 99
12) 1,1-Dichloroethene	2.14	96	92603	22.927	ug/L 89
13) Acetone	2.21	43	48417	43.512	ug/L 96
14) Carbon disulfide	2.32	76	180041	21.478	ug/L 98
15) Methyl Acetate	2.47	43	48222	27.084	ug/L 98
16) Methylene chloride	2.53	84	96571	18.605	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	232900	26.923	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	85629	24.271	ug/L 98
19) 1,1-Dichloroethane	3.23	63	153742	25.648	ug/L 99
21) 2-Butanone	4.04	43	60331	49.508	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	98440	25.129	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47647	25.068	ug/L	92
25) Chloroform	4.42	83	170949	25.448	ug/L	99
27) 1,2-Dichloroethane	5.18	62	115513	25.209	ug/L	97
30) Cyclohexane	4.73	56	125935	25.598	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	146313	26.324	ug/L	100
32) Carbon tetrachloride	4.88	117	132746	26.720	ug/L	100
34) Benzene	5.15	78	349152	26.198	ug/L	100
35) Trichloroethene	5.96	95	100408	26.175	ug/L	97
36) Methylcyclohexane	6.17	83	149497	26.014	ug/L	99
40) 1,2-Dichloropropane	6.22	63	89050	26.445	ug/L	100
41) Bromodichloromethane	6.55	83	114100	26.055	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	139474	28.613	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	141191	56.669	ug/L	99
44) Toluene	7.43	91	384317	25.694	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	112317	27.092	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	76805	25.723	ug/L	97
47) Tetrachloroethene	8.02	164	82712	25.759	ug/L	95
49) 2-Hexanone	8.19	43	102564	57.634	ug/L	96
50) Dibromochloromethane	8.29	129	91103	27.218	ug/L	97
51) 1,2-Dibromoethane	8.40	107	78108	26.469	ug/L	98
52) Chlorobenzene	8.92	112	263668	25.843	ug/L	99
53) Ethylbenzene	9.05	91	426683	26.014	ug/L	99
54) m,p-Xylene	9.18	106	166301	26.050	ug/L	99
55) o-xylene	9.59	106	165280	26.723	ug/L	94
56) Styrene	9.60	104	273195	26.703	ug/L	99
57) Isopropylbenzene	9.97	105	443588	27.196	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	102938	26.842	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	76184	27.704	ug/L	99
62) Bromoform	9.77	173	52042	26.005	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	213285	25.538	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	219320	25.210	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	206789	25.204	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15261	27.433	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	164353	26.500	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	133211	28.048	ug/L	100
69) Naphthalene	13.55	128	228871	28.965	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	125342	28.268	ug/L	100

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

