

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\
 Data File : VV010056.D
 Acq On : 02 Apr 2019 11:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC025

Quant Time: Apr 05 17:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 17:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	295569	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	276625	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	139227	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113176	28.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.40%
7) Chloroethane-d5	1.58	69	150933	30.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.84%
10) 1,1-Dichloroethene-d2	2.13	63	272955	27.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.40%
20) 2-Butanone-d5	3.94	46	48328	42.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.84%
24) Chloroform-d	4.40	84	206679	27.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.04%
26) 1,2-Dichloroethane-d4	5.08	65	109336	26.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.96%
29) Benzene-d6	5.10	84	422400	29.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.76%
33) 1,2-Dichloropropane-d6	6.12	67	116496	27.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.08%
37) Toluene-d8	7.36	98	410708	29.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	118.88%
38) trans-1,3-Dichloropropene-	7.66	79	50914	28.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.52%
39) 2-Hexanone-d5	8.13	63	34547	40.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	103052	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	147413	27.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	106052	24.808	ug/L 99
3) Chloromethane	1.25	50	99862	26.213	ug/L 98
5) Vinyl chloride	1.32	62	109698	26.437	ug/L 99
6) Bromomethane	1.53	94	128381	27.352	ug/L 98
8) Chloroethane	1.60	64	118692	32.721	ug/L 99
9) Trichlorofluoromethane	1.77	101	225460	26.361	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	127436	26.794	ug/L 99
12) 1,1-Dichloroethene	2.14	96	105640	26.143	ug/L 93
13) Acetone	2.20	43	45806	41.147	ug/L 96
14) Carbon disulfide	2.32	76	216585	25.826	ug/L 99
15) Methyl Acetate	2.46	43	35914	20.162	ug/L 99
16) Methylene chloride	2.54	84	95167	18.326	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	192858	22.284	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	88951	25.201	ug/L 99
19) 1,1-Dichloroethane	3.23	63	157079	26.193	ug/L 99
21) 2-Butanone	4.02	43	47727	39.147	ug/L 79
22) cis-1,2-Dichloroethene	3.96	96	99795	25.463	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	46051	24.217	ug/L	91
25) Chloroform	4.43	83	172784	25.710	ug/L	99
27) 1,2-Dichloroethane	5.18	62	106501	23.232	ug/L #	94
30) Cyclohexane	4.73	56	134928	27.021	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	154347	27.359	ug/L	98
32) Carbon tetrachloride	4.87	117	141178	27.998	ug/L	99
34) Benzene	5.14	78	359351	26.564	ug/L	100
35) Trichloroethene	5.96	95	104489	26.836	ug/L	97
36) Methylcyclohexane	6.17	83	161973	27.768	ug/L	99
40) 1,2-Dichloropropane	6.22	63	81976	23.984	ug/L	100
41) Bromodichloromethane	6.55	83	113276	25.484	ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	132350	26.750	ug/L	94
43) 4-Methyl-2-pentanone	7.27	43	104188	41.199	ug/L	99
44) Toluene	7.43	91	406404	26.769	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	107584	25.567	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	71439	23.572	ug/L	97
47) Tetrachloroethene	8.02	164	88255	27.079	ug/L	97
49) 2-Hexanone	8.19	43	73307	40.584	ug/L	99
50) Dibromochloromethane	8.29	129	85742	25.237	ug/L	98
51) 1,2-Dibromoethane	8.40	107	69753	23.289	ug/L	94
52) Chlorobenzene	8.92	112	268204	25.899	ug/L	98
53) Ethylbenzene	9.05	91	450329	27.050	ug/L	98
54) m,p-Xylene	9.18	106	177929	27.459	ug/L	96
55) o-xylene	9.59	106	170160	27.105	ug/L	93
56) Styrene	9.60	104	283868	27.336	ug/L	99
57) Isopropylbenzene	9.97	105	463995	28.026	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	85655	22.005	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	59500	21.317	ug/L	97
62) Bromoform	9.77	173	44938	22.949	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	213030	26.068	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	220020	25.846	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	201167	25.058	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10671	19.604	ug/L	82
67) 1,3,5-Trichlorobenzene	12.69	180	162816	26.829	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	119342	25.681	ug/L	99
69) Naphthalene	13.55	128	169511	21.925	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	108690	25.052	ug/L	98

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

