

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021319\
 Data File : VV009289.D
 Acq On : 13 Feb 2019 12:02
 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: Feb 15 15:15:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 15:25:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	297410	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	292300	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	141850	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111020	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.96%
7) Chloroethane-d5	1.57	69	87431	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.36%
10) 1,1-Dichloroethene-d2	2.13	63	226981	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.88%
20) 2-Butanone-d5	4.25	46	166	0.09	ug/L	0.31
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.18%#
24) Chloroform-d	4.40	84	204602	23.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.08	65	123937	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.64%
29) Benzene-d6	5.10	84	419155	25.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.00%
33) 1,2-Dichloropropane-d6	6.12	67	128083	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	7.36	98	390081	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.52%
38) trans-1,3-Dichloropropene-	7.66	79	58242	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	8.13	63	47670	37.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	113363	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	135613	23.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	110430	23.000	ug/L 99
3) Chloromethane	1.25	50	125776	23.080	ug/L 99
5) Vinyl chloride	1.32	62	125333	24.871	ug/L 100
6) Bromomethane	1.52	94	69428	30.619	ug/L 98
8) Chloroethane	1.59	64	75427	23.721	ug/L 99
9) Trichlorofluoromethane	1.77	101	184124	25.237	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	103129	25.456	ug/L 99
12) 1,1-Dichloroethene	2.14	96	91354	24.797	ug/L 91
13) Acetone	2.19	43	109809	41.007	ug/L 99
14) Carbon disulfide	2.32	76	353072	24.978	ug/L 100
15) Methyl Acetate	2.46	43	64504	17.925	ug/L 100
16) Methylene chloride	2.53	84	125696	20.602	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	258207	24.036	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	109198	25.386	ug/L 98
19) 1,1-Dichloroethane	3.23	63	210194	25.434	ug/L 98
21) 2-Butanone	4.01	43	106825	40.980	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	115442	25.327	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49622	24.185	ug/L	95
25) Chloroform	4.42	83	219047	26.391	ug/L	100
27) 1,2-Dichloroethane	5.18	62	151882	24.542	ug/L	99
30) Cyclohexane	4.72	56	197346	25.127	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	183507	25.567	ug/L	99
32) Carbon tetrachloride	4.87	117	161739	25.585	ug/L	99
34) Benzene	5.15	78	448433	25.619	ug/L	100
35) Trichloroethene	5.96	95	119700	25.688	ug/L	98
36) Methylcyclohexane	6.18	83	202137	26.635	ug/L	97
40) 1,2-Dichloropropane	6.22	63	118761	25.037	ug/L	100
41) Bromodichloromethane	6.55	83	152911	25.630	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	168426	24.350	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	169090	39.147	ug/L	98
44) Toluene	7.43	91	486946	26.209	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	157678	26.592	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	87699	24.161	ug/L	98
47) Tetrachloroethene	8.02	164	91523	24.981	ug/L	98
49) 2-Hexanone	8.18	43	145625	40.915	ug/L	99
50) Dibromochloromethane	8.29	129	102819	24.482	ug/L	98
51) 1,2-Dibromoethane	8.40	107	82878	23.231	ug/L	99
52) Chlorobenzene	8.93	112	302812	25.363	ug/L	98
53) Ethylbenzene	9.05	91	547662	26.468	ug/L	99
54) m,p-Xylene	9.18	106	204648	26.885	ug/L	97
55) o-xylene	9.59	106	193091	26.991	ug/L	95
56) Styrene	9.60	104	333354	27.198	ug/L	99
57) Isopropylbenzene	9.97	105	533950	26.803	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	113577	21.674	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	86669	21.289	ug/L	99
62) Bromoform	9.77	173	59114	23.279	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	233944	25.299	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	242372	25.598	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	219908	24.644	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	20077	19.342	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	175863	25.365	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	136211	24.740	ug/L	97
69) Naphthalene	13.55	128	245369	20.989	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	125971	23.924	ug/L	99

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

