

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010188.D
 Acq On : 08 Apr 2019 20:38
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Quant Time: Apr 09 05:36:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 05:31:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	255855	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	248183	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	131892	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77157	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
7) Chloroethane-d5	1.57	69	93302	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
10) 1,1-Dichloroethene-d2	2.13	63	206362	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	3.94	46	53560	54.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.90%
24) Chloroform-d	4.40	84	158975	24.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.08	65	91072	25.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.00%
29) Benzene-d6	5.10	84	314471	24.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.72%
33) 1,2-Dichloropropane-d6	6.12	67	93796	24.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.76%
37) Toluene-d8	7.36	98	312180	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.72%
38) trans-1,3-Dichloropropene-	7.67	79	41433	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.08%
39) 2-Hexanone-d5	8.13	63	41569	54.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	97385	26.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	126729	24.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	84089	22.723	ug/L 97
3) Chloromethane	1.25	50	72715	22.050	ug/L 99
5) Vinyl chloride	1.32	62	82819	23.057	ug/L 99
6) Bromomethane	1.53	94	84276	20.742	ug/L 100
8) Chloroethane	1.59	64	85137	27.114	ug/L 99
9) Trichlorofluoromethane	1.76	101	197178	26.632	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108888	26.447	ug/L 100
12) 1,1-Dichloroethene	2.14	96	86516	24.733	ug/L 98
13) Acetone	2.20	43	54048	56.087	ug/L 97
14) Carbon disulfide	2.32	76	156323	21.534	ug/L 99
15) Methyl Acetate	2.47	43	38610	25.040	ug/L 95
16) Methylene chloride	2.54	84	82857	18.432	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	206862	27.613	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	74091	24.249	ug/L 98
19) 1,1-Dichloroethane	3.23	63	136920	26.375	ug/L 99
21) 2-Butanone	4.04	43	53845	51.021	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	88405	26.058	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43211	26.251	ug/L	91
25) Chloroform	4.43	83	156843	26.961	ug/L	99
27) 1,2-Dichloroethane	5.18	62	108200	27.266	ug/L	100
30) Cyclohexane	4.73	56	106443	23.759	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	131760	26.032	ug/L	99
32) Carbon tetrachloride	4.88	117	124673	27.558	ug/L	100
34) Benzene	5.15	78	308822	25.445	ug/L	100
35) Trichloroethene	5.96	95	88273	25.269	ug/L	99
36) Methylcyclohexane	6.18	83	130641	24.963	ug/L	98
40) 1,2-Dichloropropane	6.22	63	80917	26.387	ug/L	100
41) Bromodichloromethane	6.56	83	108888	27.304	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	122847	27.675	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	128107	56.463	ug/L	99
44) Toluene	7.43	91	354180	26.002	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	106598	28.236	ug/L	93
46) 1,1,2-Trichloroethane	7.88	97	75100	27.619	ug/L	98
47) Tetrachloroethene	8.02	164	74587	25.508	ug/L	98
49) 2-Hexanone	8.19	43	89472	55.210	ug/L	99
50) Dibromochloromethane	8.29	129	86694	28.442	ug/L	97
51) 1,2-Dibromoethane	8.40	107	71521	26.615	ug/L	95
52) Chlorobenzene	8.93	112	244221	26.286	ug/L	99
53) Ethylbenzene	9.06	91	391079	26.183	ug/L	99
54) m,p-Xylene	9.18	106	157935	27.167	ug/L	96
55) o-xylene	9.59	106	151337	26.870	ug/L	93
56) Styrene	9.60	104	260062	27.913	ug/L	100
57) Isopropylbenzene	9.98	105	408491	27.501	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	94207	26.975	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	70218	28.040	ug/L	100
62) Bromoform	9.78	173	50417	27.179	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	202157	26.113	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	210488	26.102	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	195270	25.676	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13996	27.142	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	159006	27.659	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	123283	28.004	ug/L	99
69) Naphthalene	13.55	128	203753	27.819	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	122747	29.865	ug/L	99

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

