

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031119\
 Data File : VV009599.D
 Acq On : 11 Mar 2019 18:11
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Quant Time: Mar 12 04:15:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 12 04:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	148698	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145860	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69334	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37727	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.32%
7) Chloroethane-d5	1.56	69	39200	15.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.56%
10) 1,1-Dichloroethene-d2	2.12	63	112240	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
20) 2-Butanone-d5	3.92	46	31188	51.13	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
24) Chloroform-d	4.40	84	87048	24.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.08	65	53404	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.00%
29) Benzene-d6	5.09	84	175750	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	6.12	67	53760	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.88%
37) Toluene-d8	7.36	98	175173	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	7.66	79	24599	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.24%
39) 2-Hexanone-d5	8.13	63	23227	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56819	25.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	63186	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	47819	27.929 ug/L	99
3) Chloromethane	1.25	50	44483	24.378 ug/L	100
5) Vinyl chloride	1.32	62	50194	24.951 ug/L	99
6) Bromomethane	1.51	94	47253	18.868 ug/L	99
8) Chloroethane	1.58	64	37085	16.589 ug/L	99
9) Trichlorofluoromethane	1.76	101	113918	27.606 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	64136	27.756 ug/L	97
12) 1,1-Dichloroethene	2.13	96	53918	27.273 ug/L	91
13) Acetone	2.18	43	30419	49.050 ug/L	97
14) Carbon disulfide	2.31	76	133311	26.604 ug/L	99
15) Methyl Acetate	2.45	43	24844	24.738 ug/L	97
16) Methylene chloride	2.53	84	51593	26.438 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	124276	28.072 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	49964	28.136 ug/L	97
19) 1,1-Dichloroethane	3.22	63	89416	28.577 ug/L	98
21) 2-Butanone	4.01	43	34810	44.475 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	57425	28.645 ug/L	99

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

23) Bromochloromethane	4.30	128	25192	27.252	ug/L #	85
25) Chloroform	4.42	83	103903	29.756	ug/L	98
27) 1,2-Dichloroethane	5.17	62	68164	28.107	ug/L	98
30) Cyclohexane	4.72	56	80856	26.120	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	89067	27.315	ug/L	99
32) Carbon tetrachloride	4.87	117	75878	27.525	ug/L	99
34) Benzene	5.14	78	206407	27.387	ug/L	100
35) Trichloroethene	5.96	95	57139	26.380	ug/L	97
36) Methylcyclohexane	6.17	83	90553	25.664	ug/L	98
40) 1,2-Dichloropropane	6.22	63	52210	26.867	ug/L	98
41) Bromodichloromethane	6.55	83	72866	27.780	ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	80107	26.552	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	73545	48.009	ug/L	98
44) Toluene	7.43	91	237600	27.890	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	71087	26.979	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	44086	27.306	ug/L	96
47) Tetrachloroethene	8.02	164	45635	27.778	ug/L	95
49) 2-Hexanone	8.18	43	51248	44.241	ug/L	97
50) Dibromochloromethane	8.29	129	52284	26.749	ug/L	97
51) 1,2-Dibromoethane	8.40	107	44031	26.396	ug/L	98
52) Chlorobenzene	8.92	112	154402	27.343	ug/L	99
53) Ethylbenzene	9.05	91	267769	27.467	ug/L	98
54) m,p-Xylene	9.18	106	102701	27.834	ug/L	97
55) o-xylene	9.59	106	97789	27.485	ug/L	93
56) Styrene	9.60	104	165077	28.202	ug/L	100
57) Isopropylbenzene	9.97	105	268686	27.379	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	61481	26.969	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	42291	25.734	ug/L	99
62) Bromoform	9.77	173	29564	26.276	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	116656	26.936	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	116538	26.333	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	112149	27.768	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9230	22.816	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	83267	26.804	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	62580	25.161	ug/L	98
69) Naphthalene	13.55	128	107603	20.540	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	55965	24.459	ug/L	99

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

