

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW041019\
 Data File : VW009882.D
 Acq On : 10 Apr 2019 15:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Apr 11 03:44:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 03:36:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	539132	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	513751	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	261647	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	182734	25.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.60%
7) Chloroethane-d5	2.89	69	152064	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.12%
10) 1,1-Dichloroethene-d2	4.02	63	438182	28.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	115.52%#
20) 2-Butanone-d5	7.08	46	128825	56.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.48%
24) Chloroform-d	7.64	84	397101	26.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.96%
26) 1,2-Dichloroethane-d4	8.31	65	240013	26.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.28%
29) Benzene-d6	8.27	84	749635	27.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.20%
33) 1,2-Dichloropropane-d6	9.27	67	224226	26.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.68%
37) Toluene-d8	10.32	98	691005	27.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.84%
38) trans-1,3-Dichloropropene-	10.58	79	108602	27.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.36%
39) 2-Hexanone-d5	10.93	63	94586	60.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	207607	26.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	244140	26.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	196919	27.728	ug/L	91
3) Chloromethane	2.21	50	167262	22.790	ug/L	97
5) Vinyl chloride	2.37	62	217346	23.087	ug/L	98
6) Bromomethane	2.78	94	138367	21.241	ug/L	99
8) Chloroethane	2.93	64	141612	22.919	ug/L	99
9) Trichlorofluoromethane	3.25	101	124683	21.590	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	202007	26.892	ug/L	99
12) 1,1-Dichloroethene	4.04	96	196318	27.416	ug/L	93
13) Acetone	4.12	43	141279	57.564	ug/L	97
14) Carbon disulfide	4.38	76	554572	24.916	ug/L	100
15) Methyl Acetate	4.67	43	126002	28.157	ug/L	98
16) Methylene chloride	4.91	84	222660	23.418	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	289270	29.324	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	201238	27.022	ug/L	99
19) 1,1-Dichloroethane	6.21	63	404481	28.302	ug/L	98
21) 2-Butanone	7.17	43	178977	57.338	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	222536	27.940	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	98832	27.046	ug/L	96
25) Chloroform	7.67	83	417460	27.886	ug/L	99
27) 1,2-Dichloroethane	8.40	62	317332	28.027	ug/L	97
30) Cyclohexane	7.95	56	352296	29.053	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	329634	28.284	ug/L	99
32) Carbon tetrachloride	8.07	117	320348	27.417	ug/L	99
34) Benzene	8.32	78	863370	27.932	ug/L	100
35) Trichloroethene	9.09	95	222402	27.494	ug/L	99
36) Methylcyclohexane	9.34	83	383525	28.838	ug/L	99
40) 1,2-Dichloropropane	9.37	63	223562	28.255	ug/L	100
41) Bromodichloromethane	9.64	83	307836	28.196	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	351575	28.681	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	373798	60.818	ug/L	100
44) Toluene	10.38	91	934056	28.526	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	307627	29.108	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	168332	28.343	ug/L	94
47) Tetrachloroethene	10.86	164	169819	26.655	ug/L	97
49) 2-Hexanone	10.97	43	276915	60.509	ug/L	99
50) Dibromochloromethane	11.13	129	203646	27.910	ug/L	98
51) 1,2-Dibromoethane	11.23	107	164383	27.615	ug/L	100
52) Chlorobenzene	11.66	112	575533	27.306	ug/L	98
53) Ethylbenzene	11.73	91	1066597	28.595	ug/L	99
54) m,p-Xylene	11.84	106	396732	28.757	ug/L	95
55) o-xylene	12.16	106	375212	28.556	ug/L	96
56) Styrene	12.18	104	660318	28.963	ug/L	99
57) Isopropylbenzene	12.46	105	1065272	29.609	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	227537	28.491	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	171489	28.846	ug/L	99
62) Bromoform	12.35	173	121298	26.367	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	448325	27.699	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	470572	27.264	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	430102	27.776	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	42307	28.068	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	343463	28.600	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	281374	29.175	ug/L	98
69) Naphthalene	15.37	128	608329	31.383	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	266776	29.569	ug/L	98

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

