

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW050119\
 Data File : VW010228.D
 Acq On : 30 Apr 2019 23:58
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: May 01 07:37:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 03:52:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	633599	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	610331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	296416	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	131785	18.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.32%
7) Chloroethane-d5	2.89	69	121507	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
10) 1,1-Dichloroethene-d2	4.02	63	351111	21.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.88%
20) 2-Butanone-d5	7.08	46	143404	54.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.18%
24) Chloroform-d	7.64	84	399573	24.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	8.30	65	240176	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.84%
29) Benzene-d6	8.27	84	724223	22.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.16%
33) 1,2-Dichloropropane-d6	9.27	67	240781	23.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.80%
37) Toluene-d8	10.32	98	644019	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	10.57	79	106387	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.93	63	114929	53.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	217535	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	239209	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	186673	20.973	ug/L	99
3) Chloromethane	2.21	50	175867	23.478	ug/L	97
5) Vinyl chloride	2.37	62	203832	22.178	ug/L	95
6) Bromomethane	2.78	94	126283	24.059	ug/L	98
8) Chloroethane	2.93	64	130233	23.767	ug/L	99
9) Trichlorofluoromethane	3.25	101	104806	20.967	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	179392	23.476	ug/L	91
12) 1,1-Dichloroethene	4.03	96	183291	23.827	ug/L	94
13) Acetone	4.12	43	95609	45.635	ug/L	99
14) Carbon disulfide	4.38	76	525531	23.710	ug/L	99
15) Methyl Acetate	4.67	43	124909	27.460	ug/L	98
16) Methylene chloride	4.91	84	215827	20.471	ug/L	93
17) Methyl tert-butyl Ether	5.42	73	271923	27.192	ug/L	97
18) trans-1,2-Dichloroethene	5.41	96	204161	25.121	ug/L	94
19) 1,1-Dichloroethane	6.21	63	418716	27.754	ug/L	99
21) 2-Butanone	7.17	43	164042	55.833	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	235463	26.791	ug/L	91

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

23) Bromochloromethane	7.51	128	103443	25.600	ug/L #	89
25) Chloroform	7.67	83	426361	27.581	ug/L	99
27) 1,2-Dichloroethane	8.40	62	319588	29.212	ug/L	97
30) Cyclohexane	7.95	56	346844	25.097	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	313074	24.551	ug/L	98
32) Carbon tetrachloride	8.06	117	302120	23.870	ug/L	99
34) Benzene	8.32	78	899958	26.277	ug/L	100
35) Trichloroethene	9.09	95	228876	25.063	ug/L	96
36) Methylcyclohexane	9.34	83	369346	24.303	ug/L	97
40) 1,2-Dichloropropane	9.37	63	240487	27.059	ug/L	99
41) Bromodichloromethane	9.64	83	318969	27.298	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	363979	26.327	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	374373	59.767	ug/L	96
44) Toluene	10.38	91	965342	26.335	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	319001	26.522	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	176792	26.615	ug/L	98
47) Tetrachloroethene	10.86	164	169411	22.356	ug/L	99
49) 2-Hexanone	10.97	43	261754	58.455	ug/L	98
50) Dibromochloromethane	11.13	129	210702	25.544	ug/L	96
51) 1,2-Dibromoethane	11.23	107	168308	25.882	ug/L	96
52) Chlorobenzene	11.66	112	610564	25.428	ug/L	98
53) Ethylbenzene	11.73	91	1094600	26.375	ug/L	100
54) m,p-Xylene	11.84	106	400388	25.635	ug/L	99
55) o-xylene	12.16	106	392170	26.562	ug/L	100
56) Styrene	12.18	104	692891	27.099	ug/L	98
57) Isopropylbenzene	12.46	105	1045461	26.021	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	224217	27.104	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	169466	27.480	ug/L	99
62) Bromoform	12.35	173	117582	24.687	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	455473	25.443	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	474313	25.201	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	437893	25.969	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	38339	27.384	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	331370	24.058	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	273768	24.545	ug/L	99
69) Naphthalene	15.37	128	594595	26.033	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	258574	24.531	ug/L	99

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

