

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW061719\
 Data File : VW010837.D
 Acq On : 17 Jun 2019 19:58
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:54:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 05:48:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	366240	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339312	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162237	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	115043	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
7) Chloroethane-d5	2.88	69	91705	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
10) 1,1-Dichloroethene-d2	4.01	63	247424	22.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.52%
20) 2-Butanone-d5	7.08	46	96375	46.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.10%
24) Chloroform-d	7.65	84	193080	25.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	8.31	65	152928	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.76%
29) Benzene-d6	8.27	84	478992	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	9.27	67	158830	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.32	98	434880	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	10.58	79	71315	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.00%
39) 2-Hexanone-d5	10.93	63	81528	52.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143627	26.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	152581	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	135809	23.158	ug/L 100
3) Chloromethane	2.21	50	155331	23.816	ug/L 97
5) Vinyl chloride	2.35	62	138546	23.170	ug/L 99
6) Bromomethane	2.76	94	64037	23.774	ug/L 98
8) Chloroethane	2.92	64	81974	23.409	ug/L 99
9) Trichlorofluoromethane	3.26	101	186793	23.612	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	104991	22.683	ug/L 99
12) 1,1-Dichloroethene	4.04	96	96064	22.558	ug/L 98
13) Acetone	4.12	43	103025	45.819	ug/L 99
14) Carbon disulfide	4.38	76	267342	21.274	ug/L 99
15) Methyl Acetate	4.67	43	91071	25.228	ug/L 100
16) Methylene chloride	4.92	84	119787	23.835	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	339942	24.107	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	109165	22.991	ug/L 99
19) 1,1-Dichloroethane	6.21	63	237331	23.988	ug/L 99
21) 2-Butanone	7.17	43	139330	45.367	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	127699	23.634	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51776	23.360	ug/L	92
25) Chloroform	7.68	83	270497	23.755	ug/L	100
27) 1,2-Dichloroethane	8.40	62	177706	24.406	ug/L	99
30) Cyclohexane	7.95	56	221357	22.017	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	190355	23.474	ug/L	100
32) Carbon tetrachloride	8.07	117	156039	23.077	ug/L	100
34) Benzene	8.32	78	486927	23.331	ug/L	100
35) Trichloroethene	9.09	95	123313	23.056	ug/L	99
36) Methylcyclohexane	9.34	83	207582	22.030	ug/L	99
40) 1,2-Dichloropropane	9.37	63	140087	24.082	ug/L	100
41) Bromodichloromethane	9.65	83	166599	24.322	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	214028	24.035	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	285708	51.118	ug/L	100
44) Toluene	10.39	91	510703	23.364	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	186097	24.819	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101204	24.439	ug/L	99
47) Tetrachloroethene	10.86	164	89542	22.342	ug/L	97
49) 2-Hexanone	10.97	43	215679	52.057	ug/L	98
50) Dibromochloromethane	11.13	129	113356	24.700	ug/L	98
51) 1,2-Dibromoethane	11.24	107	94603	23.859	ug/L	99
52) Chlorobenzene	11.66	112	323144	23.712	ug/L	99
53) Ethylbenzene	11.73	91	589169	23.551	ug/L	100
54) m,p-Xylene	11.84	106	212037	23.521	ug/L	97
55) o-xylene	12.16	106	207766	23.768	ug/L	98
56) Styrene	12.18	104	366423	24.089	ug/L	99
57) Isopropylbenzene	12.46	105	569816	23.807	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	140767	25.371	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	111813	25.492	ug/L	100
62) Bromoform	12.35	173	66915	24.319	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	248963	23.783	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	252891	23.870	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	235319	24.028	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25626	24.822	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	191212	24.067	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	163118	24.602	ug/L	99
69) Naphthalene	15.37	128	371969	26.535	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	148738	25.038	ug/L	100

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

