

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101619\
 Data File : VW013606.D
 Acq On : 16 Oct 2019 18:11
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Oct 16 18:45:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 16 16:38:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	459180	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	416583	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214030	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103225	19.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.56%
7) Chloroethane-d5	2.88	69	80784	20.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.08%
10) 1,1-Dichloroethene-d2	4.02	63	236621	21.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.76%
20) 2-Butanone-d5	7.07	46	90199	56.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.96%
24) Chloroform-d	7.65	84	225944	22.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	8.31	65	121049	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.68%
29) Benzene-d6	8.27	84	479330	21.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.92%
33) 1,2-Dichloropropane-d6	9.27	67	145315	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.80%
37) Toluene-d8	10.32	98	450257	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.04%
38) trans-1,3-Dichloropropene-	10.58	79	63269	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	10.93	63	73926	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135170	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	167776	21.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	62112	24.824	ug/L 98
3) Chloromethane	2.21	50	94945	21.597	ug/L 96
5) Vinyl chloride	2.35	62	142352	22.887	ug/L 100
6) Bromomethane	2.78	94	87304	22.916	ug/L 98
8) Chloroethane	2.92	64	79720	22.851	ug/L 99
9) Trichlorofluoromethane	3.25	101	70925	21.873	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136349	23.694	ug/L 99
12) 1,1-Dichloroethene	4.04	96	137042	23.775	ug/L 95
13) Acetone	4.13	43	73160	40.211	ug/L 99
14) Carbon disulfide	4.38	76	394501	22.427	ug/L 99
15) Methyl Acetate	4.67	43	82274	28.990	ug/L 100
16) Methylene chloride	4.92	84	145419	20.909	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	236538	25.536	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	146952	23.891	ug/L 96
19) 1,1-Dichloroethane	6.21	63	249634	24.173	ug/L 95
21) 2-Butanone	7.17	43	115820	52.036	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	157610	23.958	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72082	24.470	ug/L	98
25) Chloroform	7.67	83	250715	24.610	ug/L	99
27) 1,2-Dichloroethane	8.40	62	167366	25.974	ug/L	100
30) Cyclohexane	7.95	56	244457	22.318	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	197931	23.590	ug/L	99
32) Carbon tetrachloride	8.07	117	189440	23.538	ug/L	99
34) Benzene	8.32	78	589987	23.443	ug/L	100
35) Trichloroethene	9.09	95	152072	23.165	ug/L	99
36) Methylcyclohexane	9.34	83	266314	22.308	ug/L	99
40) 1,2-Dichloropropane	9.37	63	144264	23.795	ug/L	99
41) Bromodichloromethane	9.64	83	181080	24.317	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	231963	23.849	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	236810	55.982	ug/L	100
44) Toluene	10.38	91	645521	23.668	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	191797	24.973	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	117675	25.569	ug/L	98
47) Tetrachloroethene	10.86	164	138331	23.121	ug/L	99
49) 2-Hexanone	10.97	43	168491	54.805	ug/L	99
50) Dibromochloromethane	11.13	129	138531	25.566	ug/L	99
51) 1,2-Dibromoethane	11.24	107	117134	25.910	ug/L	98
52) Chlorobenzene	11.66	112	408678	23.609	ug/L	100
53) Ethylbenzene	11.73	91	708222	23.458	ug/L	98
54) m,p-Xylene	11.84	106	278763	23.669	ug/L	97
55) o-xylene	12.16	106	262637	23.890	ug/L	99
56) Styrene	12.18	104	457987	24.461	ug/L	100
57) Isopropylbenzene	12.46	105	708154	23.745	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	152149	27.982	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	114296	28.151	ug/L	100
62) Bromoform	12.35	173	91705	26.639	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	332860	23.209	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	331015	23.186	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	304847	23.640	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	24767	27.820	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	245729	22.701	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	205615	22.917	ug/L	98
69) Naphthalene	15.36	128	422846	25.875	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	188953	23.651	ug/L	99

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

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