

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101819\
 Data File : VW013621.D
 Acq On : 18 Oct 2019 13:42
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Oct 20 17:51:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 18 13:08:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	328402	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316432	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	189798	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91112	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.44%
7) Chloroethane-d5	2.89	69	80422	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.52%
10) 1,1-Dichloroethene-d2	4.03	63	190097	21.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.44%
20) 2-Butanone-d5	7.08	46	68868	47.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.58%
24) Chloroform-d	7.65	84	190266	20.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.84%
26) 1,2-Dichloroethane-d4	8.31	65	99060	20.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.44%
29) Benzene-d6	8.27	84	401475	21.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.48%
33) 1,2-Dichloropropane-d6	9.27	67	117941	20.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.08%
37) Toluene-d8	10.32	98	367320	20.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.80%
38) trans-1,3-Dichloropropene-	10.58	79	54216	21.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.68%
39) 2-Hexanone-d5	10.92	63	54605	50.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106797	22.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	138060	20.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	111349	30.145	ug/L 97
3) Chloromethane	2.21	50	99157	24.799	ug/L 99
5) Vinyl chloride	2.37	62	146233	29.265	ug/L 96
6) Bromomethane	2.78	94	86391	23.927	ug/L 99
8) Chloroethane	2.93	64	77875	23.062	ug/L 100
9) Trichlorofluoromethane	3.26	101	72409	21.500	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	114013	21.499	ug/L 98
12) 1,1-Dichloroethene	4.04	96	118226	22.652	ug/L 92
13) Acetone	4.12	43	53492	33.444	ug/L 98
14) Carbon disulfide	4.39	76	356717	23.886	ug/L 99
15) Methyl Acetate	4.67	43	62681	23.984	ug/L 97
16) Methylene chloride	4.92	84	123178	19.588	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	158642	21.968	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	126018	21.842	ug/L 94
19) 1,1-Dichloroethane	6.21	63	210642	21.569	ug/L 97
21) 2-Butanone	7.17	43	87142	42.910	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	133083	21.490	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60927	21.767	ug/L	94
25) Chloroform	7.68	83	209486	21.354	ug/L	100
27) 1,2-Dichloroethane	8.40	62	136061	21.640	ug/L	99
30) Cyclohexane	7.96	56	213288	23.008	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	165535	22.429	ug/L	99
32) Carbon tetrachloride	8.07	117	163919	22.809	ug/L	99
34) Benzene	8.32	78	493953	21.756	ug/L	100
35) Trichloroethene	9.09	95	129099	22.162	ug/L	99
36) Methylcyclohexane	9.34	83	232124	22.608	ug/L	99
40) 1,2-Dichloropropane	9.37	63	122363	22.042	ug/L	100
41) Bromodichloromethane	9.65	83	147886	21.741	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	188301	21.484	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	175873	46.435	ug/L	99
44) Toluene	10.39	91	535755	21.963	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	159158	22.496	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	94736	22.127	ug/L	98
47) Tetrachloroethene	10.86	164	116642	21.875	ug/L	98
49) 2-Hexanone	10.97	43	125416	46.675	ug/L	99
50) Dibromochloromethane	11.13	129	111160	21.999	ug/L	95
51) 1,2-Dibromoethane	11.23	107	94180	22.621	ug/L	99
52) Chlorobenzene	11.66	112	339471	21.751	ug/L	99
53) Ethylbenzene	11.73	91	591356	21.941	ug/L	100
54) m,p-Xylene	11.84	106	229887	22.072	ug/L	97
55) o-xylene	12.16	106	219601	22.219	ug/L	99
56) Styrene	12.18	104	378286	22.374	ug/L	99
57) Isopropylbenzene	12.46	105	589894	22.251	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	117072	23.330	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	87023	23.255	ug/L	98
62) Bromoform	12.35	173	71389	21.947	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	273917	21.269	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	273527	21.136	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	251324	21.538	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	19307	24.072	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	210983	22.037	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	172974	21.281	ug/L	99
69) Naphthalene	15.36	128	279363	18.968	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	158648	21.795	ug/L	99

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

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