

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103019\
 Data File : VW013826.D
 Acq On : 30 Oct 2019 09:35
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 31 05:27:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 01:14:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	306436	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293247	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	182477	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91282	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.12%
7) Chloroethane-d5	2.89	69	82177	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.68%
10) 1,1-Dichloroethene-d2	4.02	63	207892	25.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.16%
20) 2-Butanone-d5	7.07	46	86261	64.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.30%
24) Chloroform-d	7.65	84	223236	26.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.16%
26) 1,2-Dichloroethane-d4	8.31	65	118388	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.60%
29) Benzene-d6	8.27	84	440746	25.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.08%
33) 1,2-Dichloropropane-d6	9.27	67	138300	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.12%
37) Toluene-d8	10.32	98	403137	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.24%
38) trans-1,3-Dichloropropene-	10.58	79	60949	25.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.72%
39) 2-Hexanone-d5	10.92	63	70621	70.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.42%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131435	30.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.00%#
61) 1,2-Dichlorobenzene-d4	13.85	152	163111	25.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	79003	22.921	ug/L	95
3) Chloromethane	2.21	50	81294	21.789	ug/L	99
5) Vinyl chloride	2.37	62	134523	28.851	ug/L	99
6) Bromomethane	2.78	94	81489	24.187	ug/L	98
8) Chloroethane	2.93	64	77709	24.662	ug/L	97
9) Trichlorofluoromethane	3.26	101	72298	23.006	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	130954	26.463	ug/L	99
12) 1,1-Dichloroethene	4.04	96	130677	26.832	ug/L	98
13) Acetone	4.12	43	80025	53.619	ug/L	94
14) Carbon disulfide	4.39	76	369271	26.499	ug/L	100
15) Methyl Acetate	4.67	43	70915	29.080	ug/L	99
16) Methylene chloride	4.92	84	136315	23.231	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	172503	25.599	ug/L #	93
18) trans-1,2-Dichloroethene	5.42	96	136236	25.306	ug/L	93
19) 1,1-Dichloroethane	6.21	63	234295	25.711	ug/L	98
21) 2-Butanone	7.17	43	101998	53.826	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	145501	25.179	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67123	25.699	ug/L	97
25) Chloroform	7.68	83	238356	26.039	ug/L	99
27) 1,2-Dichloroethane	8.40	62	154235	26.289	ug/L	97
30) Cyclohexane	7.96	56	228258	26.569	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	187434	27.404	ug/L	99
32) Carbon tetrachloride	8.07	117	180263	27.066	ug/L	99
34) Benzene	8.32	78	551284	26.201	ug/L	100
35) Trichloroethene	9.09	95	143774	26.633	ug/L	99
36) Methylcyclohexane	9.34	83	247573	26.019	ug/L	98
40) 1,2-Dichloropropane	9.37	63	133654	25.979	ug/L	100
41) Bromodichloromethane	9.64	83	170290	27.014	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	212175	26.122	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	195915	55.816	ug/L	99
44) Toluene	10.38	91	592843	26.225	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	176206	26.875	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	106132	26.749	ug/L	98
47) Tetrachloroethene	10.86	164	129790	26.265	ug/L	99
49) 2-Hexanone	10.97	43	145696	58.509	ug/L	98
50) Dibromochloromethane	11.13	129	125827	26.871	ug/L	95
51) 1,2-Dibromoethane	11.23	107	103065	26.712	ug/L	98
52) Chlorobenzene	11.66	112	375098	25.933	ug/L	99
53) Ethylbenzene	11.73	91	662242	26.514	ug/L	99
54) m,p-Xylene	11.84	106	256391	26.563	ug/L	98
55) o-xylene	12.16	106	239808	26.181	ug/L	99
56) Styrene	12.18	104	420926	26.864	ug/L	98
57) Isopropylbenzene	12.46	105	655906	26.697	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	133865	28.785	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	99876	28.800	ug/L	97
62) Bromoform	12.35	173	80911	25.873	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	312850	25.267	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	309023	24.836	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	286585	25.545	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	21389	27.738	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	236142	25.654	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	199623	25.545	ug/L	100
69) Naphthalene	15.36	128	383329	27.071	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	179902	25.707	ug/L	99

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

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