

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122019\
 Data File : VW014472.D
 Acq On : 20 Dec 2019 15:12
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Quant Time: Dec 21 04:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 21 04:34:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	848539	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	756395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	374427	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	257088	20.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
7) Chloroethane-d5	2.89	69	235425	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
10) 1,1-Dichloroethene-d2	4.02	63	549872	24.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.92%
20) 2-Butanone-d5	7.07	46	235491	70.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.66%#
24) Chloroform-d	7.64	84	576824	26.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	8.31	65	314575	27.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.08%
29) Benzene-d6	8.27	84	1139382	25.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.80%
33) 1,2-Dichloropropane-d6	9.27	67	358369	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.12%
37) Toluene-d8	10.32	98	1004150	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.57	79	145686	25.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.84%
39) 2-Hexanone-d5	10.92	63	178713	65.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	326988	29.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	346722	24.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	217132	26.904	ug/L	96
3) Chloromethane	2.21	50	208500	25.699	ug/L	97
5) Vinyl chloride	2.36	62	333275	27.743	ug/L	96
6) Bromomethane	2.78	94	188538	25.444	ug/L	99
8) Chloroethane	2.92	64	191813	27.949	ug/L	95
9) Trichlorofluoromethane	3.26	101	170293	28.635	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	307230	27.450	ug/L	94
12) 1,1-Dichloroethene	4.04	96	292746	25.835	ug/L	89
13) Acetone	4.12	43	185606	57.493	ug/L	96
14) Carbon disulfide	4.38	76	831743	23.933	ug/L	100
15) Methyl Acetate	4.67	43	172469	28.244	ug/L	96
16) Methylene chloride	4.92	84	322338	24.780	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	379578	25.402	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	295111	24.320	ug/L	92
19) 1,1-Dichloroethane	6.21	63	562929	25.820	ug/L	98
21) 2-Butanone	7.17	43	243807	56.251	ug/L	96
22) cis-1,2-Dichloroethene	7.16	96	314084	24.325	ug/L	95

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

23) Bromochloromethane	7.51	128	138023	23.239	ug/L #	79
25) Chloroform	7.67	83	539717	25.475	ug/L	99
27) 1,2-Dichloroethane	8.40	62	359835	25.938	ug/L	95
30) Cyclohexane	7.95	56	539711	28.587	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	426773	28.094	ug/L	97
32) Carbon tetrachloride	8.07	117	406039	28.171	ug/L	99
34) Benzene	8.32	78	1248520	26.069	ug/L	100
35) Trichloroethene	9.09	95	313851	25.612	ug/L	95
36) Methylcyclohexane	9.33	83	573516	27.852	ug/L	95
40) 1,2-Dichloropropane	9.37	63	314971	25.599	ug/L	99
41) Bromodichloromethane	9.64	83	377532	25.248	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	465908	25.285	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	466382	57.482	ug/L	96
44) Toluene	10.38	91	1300626	25.903	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	383147	25.688	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	230491	24.999	ug/L	98
47) Tetrachloroethene	10.86	164	258819	25.341	ug/L	96
49) 2-Hexanone	10.96	43	336603	58.273	ug/L	98
50) Dibromochloromethane	11.13	129	254888	24.632	ug/L	99
51) 1,2-Dibromoethane	11.23	107	216858	24.831	ug/L	99
52) Chlorobenzene	11.65	112	787949	24.281	ug/L	93
53) Ethylbenzene	11.73	91	1432152	26.286	ug/L	97
54) m,p-Xylene	11.83	106	539421	25.738	ug/L	100
55) o-xylene	12.16	106	500752	25.190	ug/L	99
56) Styrene	12.18	104	863417	25.389	ug/L	96
57) Isopropylbenzene	12.46	105	1387477	26.885	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	291649	25.486	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	223628	26.299	ug/L	99
62) Bromoform	12.35	173	152600	24.013	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	606340	24.093	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	608511	23.799	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	551210	23.553	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	47138	26.110	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.63	180	444689	24.560	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	335901	23.797	ug/L	97
69) Naphthalene	15.36	128	669410	25.218	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	322477	24.362	ug/L	98

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

