

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\
 Data File : VW014421.D
 Acq On : 18 Dec 2019 04:50
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Dec 18 05:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 18 03:31:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1037920	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	951441	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	455692	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	311626	19.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.32%
7) Chloroethane-d5	2.89	69	284018	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.20%
10) 1,1-Dichloroethene-d2	4.02	63	641600	23.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.44%
20) 2-Butanone-d5	7.07	46	221914	54.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.36%
24) Chloroform-d	7.64	84	729928	27.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.48%
26) 1,2-Dichloroethane-d4	8.30	65	379832	27.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.64%
29) Benzene-d6	8.27	84	1452440	26.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.20%
33) 1,2-Dichloropropane-d6	9.27	67	466931	27.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.88%
37) Toluene-d8	10.32	98	1306602	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.64%
38) trans-1,3-Dichloropropene-	10.57	79	175178	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.36%
39) 2-Hexanone-d5	10.92	63	177539	52.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.10%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	358763	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	447613	25.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	220015	22.287	ug/L 100
3) Chloromethane	2.21	50	233140	23.493	ug/L 95
5) Vinyl chloride	2.36	62	361935	24.632	ug/L 93
6) Bromomethane	2.78	94	226712	25.014	ug/L 98
8) Chloroethane	2.92	64	218714	26.054	ug/L 100
9) Trichlorofluoromethane	3.26	101	158771	21.826	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	332396	24.280	ug/L 94
12) 1,1-Dichloroethene	4.04	96	334368	24.124	ug/L 84
13) Acetone	4.12	43	136648	34.605	ug/L 99
14) Carbon disulfide	4.39	76	970850	22.839	ug/L 100
15) Methyl Acetate	4.66	43	167399	22.412	ug/L 98
16) Methylene chloride	4.92	84	395256	24.842	ug/L 92
17) Methyl tert-butyl Ether	5.42	73	449793	24.609	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	358212	24.133	ug/L 92
19) 1,1-Dichloroethane	6.21	63	687860	25.794	ug/L 99
21) 2-Butanone	7.17	43	223021	42.067	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	397088	25.142	ug/L 96

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

23) Bromochloromethane	7.51	128	171216	23.567	ug/L #	79
25) Chloroform	7.67	83	672473	25.950	ug/L	99
27) 1,2-Dichloroethane	8.40	62	431660	25.438	ug/L	96
30) Cyclohexane	7.95	56	582873	24.544	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	497857	26.055	ug/L	97
32) Carbon tetrachloride	8.07	117	454043	25.043	ug/L	100
34) Benzene	8.32	78	1547861	25.694	ug/L	100
35) Trichloroethene	9.09	95	377455	24.488	ug/L	95
36) Methylcyclohexane	9.33	83	614881	23.739	ug/L	96
40) 1,2-Dichloropropane	9.37	63	398285	25.734	ug/L	98
41) Bromodichloromethane	9.64	83	478034	25.416	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	562740	24.280	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	480701	47.101	ug/L	97
44) Toluene	10.38	91	1623374	25.703	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	440453	23.476	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	270665	23.338	ug/L	98
47) Tetrachloroethene	10.86	164	297588	23.164	ug/L	98
49) 2-Hexanone	10.96	43	327561	45.083	ug/L	98
50) Dibromochloromethane	11.13	129	311906	23.963	ug/L	100
51) 1,2-Dibromoethane	11.23	107	253508	23.077	ug/L #	98
52) Chlorobenzene	11.65	112	1000558	24.512	ug/L	93
53) Ethylbenzene	11.73	91	1757726	25.648	ug/L	98
54) m,p-Xylene	11.84	106	664249	25.197	ug/L	96
55) o-xylene	12.16	106	633791	25.347	ug/L	97
56) Styrene	12.18	104	1109826	25.945	ug/L	97
57) Isopropylbenzene	12.46	105	1676033	25.819	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	325152	22.589	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	239442	22.386	ug/L	100
62) Bromoform	12.35	173	174576	22.572	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	747912	24.419	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	754656	24.251	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	692028	24.296	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	48352	22.006	ug/L	82
67) 1,3,5-Trichlorobenzene	14.63	180	518861	23.546	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	409305	23.826	ug/L	99
69) Naphthalene	15.36	128	740987	22.937	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	372066	23.096	ug/L	98

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

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