

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061720\
 Data File : VW015624.D
 Acq On : 17 Jun 2020 18:08
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 4.53G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Jun 18 07:18:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 18 07:15:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	329664	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303889	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156871	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	54144	17.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.68%
7) Chloroethane-d5	2.90	69	66174	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
10) 1,1-Dichloroethene-d2	4.03	63	145131	19.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.88%
20) 2-Butanone-d5	7.08	46	49165	49.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.70%
24) Chloroform-d	7.65	84	171195	22.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	8.31	65	97161	22.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.64%
29) Benzene-d6	8.27	84	314591	21.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.44%
33) 1,2-Dichloropropane-d6	9.27	67	97622	21.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.20%
37) Toluene-d8	10.32	98	300998	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.08%
38) trans-1,3-Dichloropropene-	10.58	79	40868	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.04%
39) 2-Hexanone-d5	10.93	63	40256	51.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	85958	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	112699	21.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	59346	20.377	ug/L	97
3) Chloromethane	2.21	50	59236	18.476	ug/L	100
5) Vinyl chloride	2.37	62	108402	22.484	ug/L	99
6) Bromomethane	2.79	94	68537	21.871	ug/L	100
8) Chloroethane	2.93	64	66713	22.731	ug/L	99
9) Trichlorofluoromethane	3.27	101	82744	24.116	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	91007	22.364	ug/L	98
12) 1,1-Dichloroethene	4.04	96	84982	21.619	ug/L	92
13) Acetone	4.12	43	40315	52.872	ug/L	100
14) Carbon disulfide	4.39	76	246510	18.798	ug/L	100
15) Methyl Acetate	4.67	43	37875	22.959	ug/L	99
16) Methylene chloride	4.92	84	97753	24.160	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	139988	22.441	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	93282	22.143	ug/L	98
19) 1,1-Dichloroethane	6.22	63	170219	22.465	ug/L	99
21) 2-Butanone	7.18	43	53453	45.634	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	98673	22.453	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	43796	23.111	ug/L	97
25) Chloroform	7.68	83	176302	23.108	ug/L	99
27) 1,2-Dichloroethane	8.40	62	120617	23.369	ug/L	100
30) Cyclohexane	7.96	56	154193	20.527	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	154712	22.757	ug/L	99
32) Carbon tetrachloride	8.07	117	140966	22.607	ug/L	99
34) Benzene	8.33	78	382771	22.523	ug/L	100
35) Trichloroethene	9.09	95	101939	22.331	ug/L	99
36) Methylcyclohexane	9.34	83	170232	20.909	ug/L	98
40) 1,2-Dichloropropane	9.37	63	96148	22.974	ug/L	100
41) Bromodichloromethane	9.65	83	125611	22.467	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	145670	21.751	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	114380	46.625	ug/L	99
44) Toluene	10.39	91	429218	23.182	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	129260	22.179	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	70106	23.944	ug/L	95
47) Tetrachloroethene	10.87	164	85523	23.634	ug/L	93
49) 2-Hexanone	10.97	43	78027	47.121	ug/L	98
50) Dibromochloromethane	11.13	129	83388	23.442	ug/L	94
51) 1,2-Dibromoethane	11.24	107	66709	23.733	ug/L	96
52) Chlorobenzene	11.66	112	272747	23.485	ug/L	97
53) Ethylbenzene	11.73	91	482325	22.687	ug/L	100
54) m,p-Xylene	11.84	106	183585	23.012	ug/L	100
55) o-xylene	12.17	106	175103	23.123	ug/L	99
56) Styrene	12.18	104	301958	23.337	ug/L	98
57) Isopropylbenzene	12.46	105	487612	23.116	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	83745	24.706	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	62312	24.244	ug/L	99
62) Bromoform	12.35	173	46362	21.211	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	213894	22.282	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	212460	22.588	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	191890	23.004	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	13579	21.458	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	148583	22.357	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	122168	22.824	ug/L	99
69) Naphthalene	15.36	128	222642	22.908	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	107834	23.680	ug/L	100

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

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