

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011720\
 Data File : VW014685.D
 Acq On : 17 Jan 2020 15:33
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Jan 17 16:00:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 14:29:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1092644	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	959479	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	468006	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	317665	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
7) Chloroethane-d5	2.88	69	272906	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.20%
10) 1,1-Dichloroethene-d2	4.01	63	658400	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.48%
20) 2-Butanone-d5	7.07	46	220939	60.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.56%
24) Chloroform-d	7.64	84	640283	25.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.88%
26) 1,2-Dichloroethane-d4	8.30	65	330167	25.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.24%
29) Benzene-d6	8.27	84	1351855	26.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.96%
33) 1,2-Dichloropropane-d6	9.27	67	406300	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.92%
37) Toluene-d8	10.32	98	1227318	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.12%
38) trans-1,3-Dichloropropene-	10.57	79	166777	26.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.28%
39) 2-Hexanone-d5	10.92	63	171208	65.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	332812	28.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	415556	26.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	212215	21.711	ug/L	95
3) Chloromethane	2.21	50	233603	21.140	ug/L	99
5) Vinyl chloride	2.36	62	378143	24.050	ug/L	99
6) Bromomethane	2.78	94	219818	23.942	ug/L	99
8) Chloroethane	2.92	64	218194	24.816	ug/L	96
9) Trichlorofluoromethane	3.25	101	210286	25.285	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	352528	24.692	ug/L	99
12) 1,1-Dichloroethene	4.03	96	349517	25.000	ug/L	90
13) Acetone	4.11	43	221397	43.628	ug/L	98
14) Carbon disulfide	4.38	76	996085	23.077	ug/L	99
15) Methyl Acetate	4.66	43	187281	27.349	ug/L	99
16) Methylene chloride	4.91	84	369468	20.737	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	496981	27.617	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	364296	24.736	ug/L	99
19) 1,1-Dichloroethane	6.21	63	658269	24.726	ug/L	99
21) 2-Butanone	7.17	43	268845	49.378	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	395331	25.502	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.50	128	167275	24.926	ug/L	98
25) Chloroform	7.67	83	621989	24.426	ug/L	99
27) 1,2-Dichloroethane	8.40	62	397524	24.049	ug/L	99
30) Cyclohexane	7.95	56	649813	26.476	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	497915	25.298	ug/L	99
32) Carbon tetrachloride	8.06	117	457079	24.926	ug/L	99
34) Benzene	8.32	78	1489009	25.788	ug/L	100
35) Trichloroethene	9.09	95	376397	25.258	ug/L	98
36) Methylcyclohexane	9.33	83	689552	26.375	ug/L	98
40) 1,2-Dichloropropane	9.36	63	371370	25.411	ug/L	100
41) Bromodichloromethane	9.64	83	438344	24.936	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	573499	26.270	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	508820	54.235	ug/L	99
44) Toluene	10.38	91	1571281	26.041	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	451073	25.841	ug/L	98
46) 1,1,2-Trichloroethane	10.78	97	265467	25.645	ug/L	96
47) Tetrachloroethene	10.86	164	318054	25.418	ug/L	97
49) 2-Hexanone	10.96	43	375082	58.548	ug/L	99
50) Dibromochloromethane	11.13	129	305058	25.954	ug/L	97
51) 1,2-Dibromoethane	11.23	107	257820	26.385	ug/L	98
52) Chlorobenzene	11.65	112	967708	25.370	ug/L	99
53) Ethylbenzene	11.73	91	1741697	26.253	ug/L	99
54) m,p-Xylene	11.83	106	662816	26.401	ug/L	100
55) o-xylene	12.16	106	622710	26.259	ug/L	97
56) Styrene	12.18	104	1063629	26.648	ug/L	95
57) Isopropylbenzene	12.46	105	1696016	26.887	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	333564	26.540	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	249076	26.455	ug/L	99
62) Bromoform	12.35	173	182426	26.085	ug/L	96
63) 1,3-Dichlorobenzene	13.49	146	759833	25.644	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	755494	25.287	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	684770	25.780	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	52545	26.714	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	586967	26.742	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	474456	28.836	ug/L	100
69) Naphthalene	15.36	128	998937	35.167	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	433862	29.099	ug/L	98

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

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