

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101920\
 Data File : VW016937.D
 Acq On : 19 Oct 2020 09:20
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Quant Time: Oct 20 08:46:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 19 05:38:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	538071	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	481902	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	241779	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	118529	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.32%
7) Chloroethane-d5	2.90	69	106508	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	4.03	63	280387	24.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.52%
20) 2-Butanone-d5	7.08	46	67090	55.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.60%
24) Chloroform-d	7.65	84	303972	26.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.08%
26) 1,2-Dichloroethane-d4	8.31	65	142201	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.72%
29) Benzene-d6	8.27	84	565796	25.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.40%
33) 1,2-Dichloropropane-d6	9.27	67	162459	27.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.48%
37) Toluene-d8	10.33	98	529805	25.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.60%
38) trans-1,3-Dichloropropene-	10.58	79	70722	27.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.04%
39) 2-Hexanone-d5	10.93	63	55770	61.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136773	28.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	201684	26.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	144498	22.468	ug/L	98
3) Chloromethane	2.21	50	131921	23.270	ug/L	99
5) Vinyl chloride	2.37	62	200849	27.290	ug/L	98
6) Bromomethane	2.79	94	134822	24.918	ug/L	99
8) Chloroethane	2.93	64	120793	26.592	ug/L	96
9) Trichlorofluoromethane	3.27	101	167588	29.471	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	195451	26.980	ug/L	98
12) 1,1-Dichloroethene	4.04	96	186676	26.833	ug/L	100
13) Acetone	4.14	43	47119	51.788	ug/L	98
14) Carbon disulfide	4.38	76	527177	26.428	ug/L	99
15) Methyl Acetate	4.68	43	59968	27.586	ug/L	98
16) Methylene chloride	4.92	84	180164	24.262	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	216555	27.817	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	192811	26.530	ug/L	95
19) 1,1-Dichloroethane	6.22	63	309405	27.645	ug/L	99
21) 2-Butanone	7.18	43	75638	49.521	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	200900	27.091	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	94389	27.104	ug/L	99
25) Chloroform	7.68	83	330294	27.328	ug/L	99
27) 1,2-Dichloroethane	8.40	62	192445	26.617	ug/L	99
30) Cyclohexane	7.96	56	268328	26.850	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	286104	27.918	ug/L	99
32) Carbon tetrachloride	8.07	117	277560	27.754	ug/L	99
34) Benzene	8.32	78	717019	27.707	ug/L	100
35) Trichloroethene	9.09	95	199122	27.202	ug/L	100
36) Methylcyclohexane	9.34	83	326092	26.494	ug/L	100
40) 1,2-Dichloropropane	9.37	63	165307	28.249	ug/L	100
41) Bromodichloromethane	9.65	83	230256	28.009	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	268453	28.773	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	169245	57.448	ug/L	100
44) Toluene	10.39	91	793215	27.630	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	226733	28.879	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	135982	28.586	ug/L	98
47) Tetrachloroethene	10.87	164	178430	26.292	ug/L	97
49) 2-Hexanone	10.97	43	114402	58.832	ug/L	99
50) Dibromochloromethane	11.13	129	169432	28.650	ug/L	97
51) 1,2-Dibromoethane	11.24	107	129701	27.745	ug/L	99
52) Chlorobenzene	11.66	112	523231	27.157	ug/L	98
53) Ethylbenzene	11.73	91	888529	27.589	ug/L	98
54) m,p-Xylene	11.84	106	346945	27.699	ug/L	98
55) o-xylene	12.16	106	326420	27.276	ug/L	99
56) Styrene	12.18	104	566101	28.666	ug/L	99
57) Isopropylbenzene	12.46	105	902672	27.546	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	148830	28.310	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	105905	27.808	ug/L	99
62) Bromoform	12.35	173	98942	29.091	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	417222	27.114	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	413621	26.878	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	380068	27.587	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22523	26.951	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	317479	27.757	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	251337	26.754	ug/L	97
69) Naphthalene	15.36	128	431581	27.742	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	219973	27.249	ug/L	100

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

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