

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020620\
 Data File : VW014888.D
 Acq On : 06 Feb 2020 09:31
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 12:32:06 PM

Quant Time: Feb 07 05:56:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 06 15:16:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	747628	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	694577	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	320664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	322506	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.24%
7) Chloroethane-d5	2.89	69	259874	26.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.92%
10) 1,1-Dichloroethene-d2	4.03	63	584115	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.32%
20) 2-Butanone-d5	7.07	46	164260	47.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.58%
24) Chloroform-d	7.65	84	537233	25.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	8.31	65	302307	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.27	84	1074188	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.27	67	354546	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	938279	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.48%
38) trans-1,3-Dichloropropene-	10.57	79	134552	23.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.64%
39) 2-Hexanone-d5	10.92	63	125997	47.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	272069	24.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	286360	23.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	203143m	26.430	ug/L	
3) Chloromethane	2.21	50	326297	28.016	ug/L	100
5) Vinyl chloride	2.37	62	443096	29.137	ug/L	99
6) Bromomethane	2.78	94	214036	28.147	ug/L	98
8) Chloroethane	2.93	64	245742	29.535	ug/L	98
9) Trichlorofluoromethane	3.26	101	188236	30.621	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	310977	28.658	ug/L	97
12) 1,1-Dichloroethene	4.04	96	294193	27.740	ug/L	96
13) Acetone	4.12	43	192213	53.610	ug/L	96
14) Carbon disulfide	4.39	76	908474	28.530	ug/L	99
15) Methyl Acetate	4.67	43	167332	28.361	ug/L	97
16) Methylene chloride	4.92	84	319567	23.462	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	354619	25.595	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	292380	27.209	ug/L	95
19) 1,1-Dichloroethane	6.21	63	615126	28.256	ug/L	99
21) 2-Butanone	7.17	43	223502	53.243	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	308833	26.572	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	128891	27.029	ug/L	94
25) Chloroform	7.68	83	574278	28.718	ug/L	100
27) 1,2-Dichloroethane	8.40	62	396556	28.763	ug/L	99
30) Cyclohexane	7.96	56	580220	28.036	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	438806	27.707	ug/L	98
32) Carbon tetrachloride	8.07	117	398679	28.004	ug/L	100
34) Benzene	8.32	78	1329816	27.842	ug/L	100
35) Trichloroethene	9.09	95	314187	26.538	ug/L	99
36) Methylcyclohexane	9.34	83	575008	27.881	ug/L	97
40) 1,2-Dichloropropane	9.37	63	358814	28.073	ug/L	100
41) Bromodichloromethane	9.64	83	408338	27.876	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	488949	26.940	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	465287	55.516	ug/L	98
44) Toluene	10.38	91	1355957	27.965	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	402085	27.511	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	230753	27.424	ug/L	98
47) Tetrachloroethene	10.86	164	227657	26.170	ug/L	93
49) 2-Hexanone	10.97	43	338876	57.563	ug/L	97
50) Dibromochloromethane	11.13	129	243426	26.918	ug/L	98
51) 1,2-Dibromoethane	11.23	107	208077	26.578	ug/L	99
52) Chlorobenzene	11.66	112	794229	26.791	ug/L	98
53) Ethylbenzene	11.73	91	1480246	27.905	ug/L	98
54) m,p-Xylene	11.84	106	542018	27.974	ug/L	98
55) o-xylene	12.16	106	510910	27.706	ug/L	96
56) Styrene	12.18	104	891397	28.601	ug/L	96
57) Isopropylbenzene	12.46	105	1388347	28.034	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	293455	27.942	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	219858	27.825	ug/L	99
62) Bromoform	12.35	173	129090	26.408	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	573808	26.491	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	591085	27.090	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	533977	26.952	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	45311	26.823	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	416277	26.833	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	320278	26.130	ug/L	100
69) Naphthalene	15.36	128	628962	26.087	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	306983	27.125	ug/L	99

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

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