

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020420\
 Data File : VW014867.D
 Acq On : 04 Feb 2020 19:16
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Feb 05 03:45:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 05 03:41:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1138953	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1024244	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	478755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	410586	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.08%
7) Chloroethane-d5	2.89	69	323184	18.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.80%
10) 1,1-Dichloroethene-d2	4.03	63	766690	20.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.92%
20) 2-Butanone-d5	7.07	46	315314	47.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.06%
24) Chloroform-d	7.65	84	725722	20.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.04%
26) 1,2-Dichloroethane-d4	8.30	65	414393	20.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.32%
29) Benzene-d6	8.27	84	1509432	20.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.64%
33) 1,2-Dichloropropane-d6	9.27	67	491942	20.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.16%
37) Toluene-d8	10.32	98	1365902	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.68%
38) trans-1,3-Dichloropropene-	10.57	79	206275	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.08%
39) 2-Hexanone-d5	10.92	63	250258	54.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	419552	22.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	447768	22.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	260461	18.159	ug/L 95
3) Chloromethane	2.21	50	363178	18.471	ug/L 99
5) Vinyl chloride	2.37	62	471391	23.851	ug/L 98
6) Bromomethane	2.78	94	239403	20.699	ug/L 98
8) Chloroethane	2.92	64	255903	19.942	ug/L 97
9) Trichlorofluoromethane	3.26	101	170254	14.796	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	361739	20.511	ug/L 99
12) 1,1-Dichloroethene	4.04	96	358485	21.552	ug/L 100
13) Acetone	4.12	43	225605	31.114	ug/L 97
14) Carbon disulfide	4.38	76	1034531	20.492	ug/L 100
15) Methyl Acetate	4.67	43	249665	23.007	ug/L 99
16) Methylene chloride	4.92	84	406971	19.351	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	547153	25.920	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	363730	21.309	ug/L 98
19) 1,1-Dichloroethane	6.21	63	735992	21.234	ug/L 98
21) 2-Butanone	7.16	43	341613	43.903	ug/L 97
22) cis-1,2-Dichloroethene	7.16	96	406184	23.022	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	167279	22.172	ug/L	93
25) Chloroform	7.67	83	683425	21.598	ug/L	99
27) 1,2-Dichloroethane	8.40	62	481612	21.785	ug/L	96
30) Cyclohexane	7.95	56	718136	23.198	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	509789	21.209	ug/L	99
32) Carbon tetrachloride	8.07	117	455490	20.861	ug/L	100
34) Benzene	8.32	78	1588988	22.155	ug/L	100
35) Trichloroethene	9.09	95	390608	22.053	ug/L	99
36) Methylcyclohexane	9.34	83	706294	22.767	ug/L	96
40) 1,2-Dichloropropane	9.37	63	425205	21.982	ug/L	100
41) Bromodichloromethane	9.64	83	488666	22.047	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	643242	23.890	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	723657	50.951	ug/L	97
44) Toluene	10.38	91	1656299	23.082	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	516447	23.309	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	299857	23.426	ug/L	98
47) Tetrachloroethene	10.86	164	283791	21.477	ug/L	96
49) 2-Hexanone	10.96	43	507747	51.811	ug/L	97
50) Dibromochloromethane	11.13	129	318193	23.123	ug/L	100
51) 1,2-Dibromoethane	11.23	107	289064	24.018	ug/L	99
52) Chlorobenzene	11.65	112	1001403	22.876	ug/L	98
53) Ethylbenzene	11.72	91	1836894	23.626	ug/L	100
54) m,p-Xylene	11.83	106	679794	23.893	ug/L	98
55) o-xylene	12.16	106	651206	24.568	ug/L	96
56) Styrene	12.18	104	1118815	24.788	ug/L	97
57) Isopropylbenzene	12.46	105	1779723	24.829	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	407379	24.245	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	307048	23.870	ug/L	96
62) Bromoform	12.35	173	182868	23.108	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	753789	23.475	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	740251	22.871	ug/L	100
65) 1,2-Dichlorobenzene	13.86	146	701427	23.993	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	71780	25.156	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	552968	24.304	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	493880	27.784	ug/L	100
69) Naphthalene	15.36	128	1472866	40.839	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	448524	27.304	ug/L	99

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

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