

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021920\
 Data File : VW015005.D
 Acq On : 19 Feb 2020 13:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Feb 20 03:30:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 17 05:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	824324	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	750849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	343002	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	322198	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.44%
7) Chloroethane-d5	2.89	69	268096	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.16%
10) 1,1-Dichloroethene-d2	4.03	63	636705	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
20) 2-Butanone-d5	7.07	46	199050	51.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.94%
24) Chloroform-d	7.65	84	603009	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	340145	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.04%
29) Benzene-d6	8.27	84	1175807	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.27	67	397839	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.12%
37) Toluene-d8	10.32	98	1008136	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.88%
38) trans-1,3-Dichloropropene-	10.57	79	148027	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.28%
39) 2-Hexanone-d5	10.92	63	138890	48.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	281844	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	284772	21.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	188445	22.236	ug/L	96
3) Chloromethane	2.21	50	332254	25.873	ug/L	100
5) Vinyl chloride	2.37	62	443429	26.446	ug/L	99
6) Bromomethane	2.78	94	188127	22.438	ug/L	99
8) Chloroethane	2.92	64	242436	26.427	ug/L	100
9) Trichlorofluoromethane	3.26	101	203318	29.997	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	314144	26.256	ug/L	93
12) 1,1-Dichloroethene	4.04	96	283502	24.245	ug/L	87
13) Acetone	4.12	43	178781	45.225	ug/L	97
14) Carbon disulfide	4.39	76	889497	25.335	ug/L	100
15) Methyl Acetate	4.67	43	180576	27.759	ug/L	94
16) Methylene chloride	4.92	84	328461	21.872	ug/L	86
17) Methyl tert-butyl Ether	5.42	73	371738	24.334	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	289208	24.410	ug/L	84
19) 1,1-Dichloroethane	6.21	63	672196	28.005	ug/L	99
21) 2-Butanone	7.17	43	238974	51.632	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	315056	24.585	ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	119448	22.718	ug/L #	80
25) Chloroform	7.67	83	598210	27.132	ug/L	100
27) 1,2-Dichloroethane	8.40	62	413819	27.223	ug/L	97
30) Cyclohexane	7.95	56	634372	28.355	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	465268	27.176	ug/L	97
32) Carbon tetrachloride	8.06	117	413361	26.859	ug/L	99
34) Benzene	8.32	78	1363328	26.405	ug/L	100
35) Trichloroethene	9.09	95	316908	24.761	ug/L	94
36) Methylcyclohexane	9.33	83	589067	26.423	ug/L	93
40) 1,2-Dichloropropane	9.37	63	379498	27.466	ug/L	99
41) Bromodichloromethane	9.64	83	425237	26.854	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	522517	26.632	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	486151	53.658	ug/L	94
44) Toluene	10.38	91	1376031	26.252	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	420821	26.635	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	217559	23.919	ug/L	96
47) Tetrachloroethene	10.86	164	203752	21.666	ug/L	92
49) 2-Hexanone	10.96	43	353755	55.587	ug/L	94
50) Dibromochloromethane	11.13	129	229277	23.454	ug/L	100
51) 1,2-Dibromoethane	11.23	107	193125	22.820	ug/L	100
52) Chlorobenzene	11.65	112	777664	24.266	ug/L	94
53) Ethylbenzene	11.73	91	1522906	26.558	ug/L	97
54) m,p-Xylene	11.83	106	533730	25.482	ug/L	91
55) o-xylene	12.16	106	499797	25.072	ug/L	94
56) Styrene	12.18	104	883507	26.224	ug/L	95
57) Isopropylbenzene	12.46	105	1418364	26.493	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	279447	24.614	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	214885	25.158	ug/L	100
62) Bromoform	12.35	173	114665	21.930	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	549913	23.734	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	548684	23.509	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	502604	23.716	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	46602	25.790	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	379605	22.876	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	296016	22.578	ug/L	99
69) Naphthalene	15.36	128	592712	22.983	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	272605	22.518	ug/L	99

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

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