

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
 Data File : VW011886.D
 Acq On : 13 Aug 2019 10:35
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Aug 14 04:54:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 18:40:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331745	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292987	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144760	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	135582	29.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.08%
7) Chloroethane-d5	2.89	69	98511	29.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.12%
10) 1,1-Dichloroethene-d2	4.02	63	301429	28.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.60%#
20) 2-Butanone-d5	7.08	46	96447	45.85	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.70%
24) Chloroform-d	7.65	84	250815	27.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.12%
26) 1,2-Dichloroethane-d4	8.31	65	148454	27.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.12%
29) Benzene-d6	8.27	84	509019	27.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.52%
33) 1,2-Dichloropropane-d6	9.27	67	163801	27.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.16%
37) Toluene-d8	10.32	98	450478	27.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.20%
38) trans-1,3-Dichloropropene-	10.58	79	70717	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.52%
39) 2-Hexanone-d5	10.93	63	67249	48.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124546	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	146555	26.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	99990	26.894	ug/L	98
3) Chloromethane	2.21	50	117041	24.201	ug/L	100
5) Vinyl chloride	2.36	62	157548	25.534	ug/L	99
6) Bromomethane	2.78	94	76157	26.181	ug/L	99
8) Chloroethane	2.92	64	85594	26.524	ug/L	98
9) Trichlorofluoromethane	3.26	101	85418	27.176	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129319	27.138	ug/L	97
12) 1,1-Dichloroethene	4.04	96	125346	26.307	ug/L #	80
13) Acetone	4.12	43	104160	46.237	ug/L	98
14) Carbon disulfide	4.39	76	382993	24.680	ug/L	99
15) Methyl Acetate	4.67	43	88279	23.968	ug/L	98
16) Methylene chloride	4.92	84	135940	26.258	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	218858	27.583	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	129416	26.289	ug/L	97
19) 1,1-Dichloroethane	6.21	63	269762	27.431	ug/L	99
21) 2-Butanone	7.17	43	129603	45.887	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	138869	26.964	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57706	26.334	ug/L	95
25) Chloroform	7.68	83	247835	27.342	ug/L	99
27) 1,2-Dichloroethane	8.40	62	184484	27.494	ug/L	99
30) Cyclohexane	7.96	56	268492	26.363	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	195353	27.364	ug/L	99
32) Carbon tetrachloride	8.07	117	182601	27.188	ug/L	99
34) Benzene	8.32	78	561558	27.351	ug/L	100
35) Trichloroethene	9.09	95	140180	26.894	ug/L	98
36) Methylcyclohexane	9.34	83	251151	26.560	ug/L	99
40) 1,2-Dichloropropane	9.37	63	149312	27.244	ug/L	100
41) Bromodichloromethane	9.65	83	181434	28.054	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	229739	28.025	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	254746	51.302	ug/L	100
44) Toluene	10.39	91	575746	27.601	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	189474	27.780	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100293	26.841	ug/L	96
47) Tetrachloroethene	10.86	164	104597	26.272	ug/L	94
49) 2-Hexanone	10.97	43	196501	51.363	ug/L	99
50) Dibromochloromethane	11.13	129	114491	27.799	ug/L	98
51) 1,2-Dibromoethane	11.24	107	95618	26.298	ug/L	100
52) Chlorobenzene	11.66	112	341937	27.170	ug/L	98
53) Ethylbenzene	11.73	91	644105	27.689	ug/L	99
54) m,p-Xylene	11.84	106	235041	27.787	ug/L	99
55) o-xylene	12.16	106	222763	27.983	ug/L	100
56) Styrene	12.18	104	387730	28.648	ug/L	98
57) Isopropylbenzene	12.46	105	614881	28.076	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	129806	26.142	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	97737	25.520	ug/L	98
62) Bromoform	12.35	173	65054	25.118	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	263222	26.791	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	261877	26.542	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	239111	26.876	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22479	24.412	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	199066	27.527	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164926	28.318	ug/L	99
69) Naphthalene	15.37	128	315234	26.878	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	149871	27.785	ug/L	99

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

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