

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121119\
 Data File : VW014317.D
 Acq On : 11 Dec 2019 21:11
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Manual Integrations
 APPROVED

apatel
 12/12/2019 4:21:36 PM

Quant Time: Dec 12 06:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 12 04:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1127723	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1041041	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	521173	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	417379	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	354234	27.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.60%
10) 1,1-Dichloroethene-d2	4.02	63	766845	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.68%
20) 2-Butanone-d5	7.07	46	278314	62.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.08%
24) Chloroform-d	7.65	84	872995	30.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	121.60%
26) 1,2-Dichloroethane-d4	8.30	65	466932	31.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.08%
29) Benzene-d6	8.27	84	1793645	29.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.60%
33) 1,2-Dichloropropane-d6	9.27	67	567654	30.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.96%#
37) Toluene-d8	10.32	98	1622471	29.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.64%
38) trans-1,3-Dichloropropene-	10.57	79	229368	29.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.52%
39) 2-Hexanone-d5	10.92	63	233353	62.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	462691	30.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.00%#
61) 1,2-Dichlorobenzene-d4	13.85	152	571307	28.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	208311	19.421	ug/L	98
3) Chloromethane	2.21	50	210508	19.523	ug/L	99
5) Vinyl chloride	2.36	62	347496	21.766	ug/L	92
6) Bromomethane	2.78	94	217948	22.132	ug/L	99
8) Chloroethane	2.92	64	202327	22.182	ug/L	92
9) Trichlorofluoromethane	3.25	101	148324	18.767	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	320843	21.570	ug/L	94
12) 1,1-Dichloroethene	4.04	96	323852m	21.505	ug/L	
13) Acetone	4.12	43	154456	35.999	ug/L	99
14) Carbon disulfide	4.38	76	967009	20.937	ug/L	99
15) Methyl Acetate	4.67	43	173961	21.436	ug/L	98
16) Methylene chloride	4.92	84	379048	21.926	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	432766	21.792	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	342276	21.223	ug/L	93
19) 1,1-Dichloroethane	6.21	63	638390	22.032	ug/L	100
21) 2-Butanone	7.16	43	232408	40.347	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	375178	21.863	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	170555	21.607	ug/L	85
25) Chloroform	7.67	83	630703	22.400	ug/L	100
27) 1,2-Dichloroethane	8.40	62	414418	22.477	ug/L	98
30) Cyclohexane	7.95	56	545284	20.985	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	460191	22.011	ug/L	97
32) Carbon tetrachloride	8.06	117	423034	21.325	ug/L	98
34) Benzene	8.32	78	1458529	22.127	ug/L	100
35) Trichloroethene	9.09	95	357313	21.186	ug/L	95
36) Methylcyclohexane	9.34	83	548440	19.352	ug/L	96
40) 1,2-Dichloropropane	9.37	63	371426	21.933	ug/L	100
41) Bromodichloromethane	9.64	83	449388	21.836	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	564956	22.277	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	497113	44.517	ug/L	97
44) Toluene	10.38	91	1532541	22.177	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	449960	21.919	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	271753	21.415	ug/L	98
47) Tetrachloroethene	10.86	164	286414	20.375	ug/L	96
49) 2-Hexanone	10.96	43	346243	43.552	ug/L	98
50) Dibromochloromethane	11.13	129	306326	21.509	ug/L	98
51) 1,2-Dibromoethane	11.23	107	251669	20.938	ug/L	99
52) Chlorobenzene	11.65	112	950481	21.281	ug/L	94
53) Ethylbenzene	11.73	91	1641799	21.895	ug/L	98
54) m,p-Xylene	11.84	106	623942	21.631	ug/L	97
55) o-xylene	12.16	106	600757	21.958	ug/L	99
56) Styrene	12.18	104	1058736	22.620	ug/L	97
57) Isopropylbenzene	12.46	105	1522010	21.428	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	336602	21.371	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	248819	21.260	ug/L	99
62) Bromoform	12.35	173	177441	20.060	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	714128	20.386	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	719261	20.209	ug/L	96
65) 1,2-Dichlorobenzene	13.86	146	669282	20.546	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	51853	20.634	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	488776	19.394	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	391792	19.941	ug/L	100
69) Naphthalene	15.36	128	806459	21.827	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	366989	19.918	ug/L	99

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

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