

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013887.D
 Acq On : 01 Nov 2019 07:48
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Nov 01 08:12:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 07:47:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	321680	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318521	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192441	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	101337	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.76%
7) Chloroethane-d5	2.89	69	83674	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.36%
10) 1,1-Dichloroethene-d2	4.03	63	208712	21.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.20%
20) 2-Butanone-d5	7.07	46	79137	45.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.96%
24) Chloroform-d	7.65	84	222298	22.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.32%
26) 1,2-Dichloroethane-d4	8.30	65	120574	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.08%
29) Benzene-d6	8.27	84	460271	22.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.20%
33) 1,2-Dichloropropane-d6	9.27	67	141295	22.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.36%
37) Toluene-d8	10.32	98	435564	22.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.28%
38) trans-1,3-Dichloropropene-	10.58	79	59810	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.56%
39) 2-Hexanone-d5	10.93	63	63975	44.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124166	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	161703	21.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	71442	20.087 ug/L	98
3) Chloromethane	2.21	50	79251	20.727 ug/L	96
5) Vinyl chloride	2.37	62	122315	22.562 ug/L	98
6) Bromomethane	2.78	94	78460	22.972 ug/L	99
8) Chloroethane	2.92	64	72599	23.714 ug/L	99
9) Trichlorofluoromethane	3.26	101	50894	21.530 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118454	22.304 ug/L	99
12) 1,1-Dichloroethene	4.04	96	123090	23.112 ug/L	92
13) Acetone	4.12	43	55534	34.477 ug/L	95
14) Carbon disulfide	4.38	76	361736	23.369 ug/L	98
15) Methyl Acetate	4.67	43	74197	25.017 ug/L	99
16) Methylene chloride	4.92	84	139057	22.112 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	170541	25.716 ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	131407	23.556 ug/L	99
19) 1,1-Dichloroethane	6.21	63	227201	23.810 ug/L	98
21) 2-Butanone	7.16	43	94288	40.794 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	144682	24.229 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68616	24.614	ug/L	97
25) Chloroform	7.67	83	233347	24.358	ug/L	100
27) 1,2-Dichloroethane	8.40	62	155277	24.644	ug/L	99
30) Cyclohexane	7.96	56	210163	22.987	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	173116	23.714	ug/L	99
32) Carbon tetrachloride	8.07	117	169868	23.377	ug/L	99
34) Benzene	8.32	78	537057	24.314	ug/L	100
35) Trichloroethene	9.09	95	137618	23.607	ug/L	99
36) Methylcyclohexane	9.34	83	230512	22.842	ug/L	99
40) 1,2-Dichloropropane	9.37	63	133448	24.456	ug/L	100
41) Bromodichloromethane	9.65	83	169672	24.759	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	201168	23.483	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	203183	48.258	ug/L	99
44) Toluene	10.38	91	583149	24.451	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	165385	23.672	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106389	24.182	ug/L	97
47) Tetrachloroethene	10.86	164	121590	23.225	ug/L	99
49) 2-Hexanone	10.97	43	135484	44.968	ug/L	98
50) Dibromochloromethane	11.13	129	126433	24.719	ug/L	96
51) 1,2-Dibromoethane	11.23	107	105353	24.466	ug/L	99
52) Chlorobenzene	11.66	112	371069	23.992	ug/L	98
53) Ethylbenzene	11.73	91	630191	23.937	ug/L	98
54) m,p-Xylene	11.84	106	246200	23.904	ug/L	95
55) o-xylene	12.16	106	235957	24.340	ug/L	96
56) Styrene	12.18	104	412648	24.808	ug/L	99
57) Isopropylbenzene	12.46	105	621012	23.936	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	131697	23.844	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100073	23.780	ug/L	99
62) Bromoform	12.35	173	82837	24.740	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	297465	23.683	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	297373	23.341	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	277765	23.925	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21651	23.596	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	221150	22.887	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	180852	23.335	ug/L	99
69) Naphthalene	15.36	128	368405	24.708	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	170871	23.846	ug/L	98

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

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