

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW033019\
 Data File : VW009582.D
 Acq On : 30 Mar 2019 11:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02504

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:02:05 AM

Quant Time: Mar 30 21:15:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Fri Mar 29 07:41:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	453723	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	426208	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	227807	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102373	18.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.52%
7) Chloroethane-d5	2.89	69	117565	18.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.12%
10) 1,1-Dichloroethene-d2	4.01	63	266497	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.96%
20) 2-Butanone-d5	7.07	46	105866	47.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.42%
24) Chloroform-d	7.64	84	296240	23.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.68%
26) 1,2-Dichloroethane-d4	8.30	65	175969	23.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.36%
29) Benzene-d6	8.27	84	523594	22.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.12%
33) 1,2-Dichloropropane-d6	9.27	67	166409	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.32	98	479525	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.24%
38) trans-1,3-Dichloropropene-	10.57	79	76056	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	10.92	63	80159	46.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	172029	24.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	191756	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	156211m	26.135	ug/L
3) Chloromethane	2.21	50	135456	21.360	ug/L
5) Vinyl chloride	2.37	62	189247	28.994	ug/L
6) Bromomethane	2.78	94	129088	23.606	ug/L
8) Chloroethane	2.93	64	131977	24.439	ug/L
9) Trichlorofluoromethane	3.25	101	119167	23.113	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	147074	24.701	ug/L
12) 1,1-Dichloroethene	4.03	96	146890	26.290	ug/L
13) Acetone	4.12	43	95873	52.138	ug/L
14) Carbon disulfide	4.37	76	402488	26.767	ug/L
15) Methyl Acetate	4.66	43	83844	23.210	ug/L
16) Methylene chloride	4.91	84	153393	23.183	ug/L
17) Methyl tert-butyl Ether	5.42	73	187539	23.722	ug/L
18) trans-1,2-Dichloroethene	5.41	96	149164	25.393	ug/L
19) 1,1-Dichloroethane	6.20	63	290863	27.156	ug/L
21) 2-Butanone	7.17	43	121044	47.674	ug/L
22) cis-1,2-Dichloroethene	7.16	96	163733	25.730	ug/L

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Quant Time: Mar 30 21:15:58 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73147	23.966	ug/L	94
25) Chloroform	7.66	83	307462	27.411	ug/L	98
27) 1,2-Dichloroethane	8.40	62	226611	27.097	ug/L	99
30) Cyclohexane	7.95	56	251676	26.001	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	241792	28.405	ug/L	99
32) Carbon tetrachloride	8.06	117	243766	28.383	ug/L	98
34) Benzene	8.32	78	635206	27.229	ug/L	100
35) Trichloroethene	9.09	95	165766	26.667	ug/L	98
36) Methylcyclohexane	9.33	83	282999	26.315	ug/L	99
40) 1,2-Dichloropropane	9.37	63	160601	26.828	ug/L	98
41) Bromodichloromethane	9.64	83	222477	26.823	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	254618	26.115	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	252861	46.615	ug/L	99
44) Toluene	10.38	91	695740	27.277	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	219034	25.825	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	121232	25.385	ug/L	98
47) Tetrachloroethene	10.86	164	133262	25.372	ug/L	98
49) 2-Hexanone	10.97	43	193708	50.703	ug/L	99
50) Dibromochloromethane	11.13	129	151141	25.637	ug/L	98
51) 1,2-Dibromoethane	11.23	107	118653	24.508	ug/L	98
52) Chlorobenzene	11.66	112	434738	26.575	ug/L	99
53) Ethylbenzene	11.73	91	800291	27.908	ug/L	100
54) m,p-Xylene	11.84	106	295932	27.163	ug/L	96
55) o-xylene	12.16	106	280481	26.390	ug/L	98
56) Styrene	12.18	104	497225	27.419	ug/L	95
57) Isopropylbenzene	12.46	105	807509	28.362	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	163805	25.425	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	120541	25.210	ug/L	100
62) Bromoform	12.35	173	92002	23.902	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	343935	25.332	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	354326	25.242	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	326481	25.215	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	29496	23.244	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	269327	25.433	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	216072	24.291	ug/L	99
69) Naphthalene	15.37	128	432057	23.428	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	206303	24.762	ug/L	98

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

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