

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW032119\
 Data File : VW009318.D
 Acq On : 21 Mar 2019 10:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Mar 22 09:40:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 10:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	479201	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	448854	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239161	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	142289	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
7) Chloroethane-d5	2.89	69	140874	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.08%
10) 1,1-Dichloroethene-d2	4.02	63	305182	24.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.64%
20) 2-Butanone-d5	7.07	46	102505	43.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.56%
24) Chloroform-d	7.64	84	310904	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	8.30	65	182658	23.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.76%
29) Benzene-d6	8.27	84	586682	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
33) 1,2-Dichloropropane-d6	9.27	67	176290	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.84%
37) Toluene-d8	10.32	98	544465	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.16%
38) trans-1,3-Dichloropropene-	10.57	79	84130	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.12%
39) 2-Hexanone-d5	10.92	63	81416	45.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	169812	23.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	210156	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	157003	24.871	ug/L	92
3) Chloromethane	2.22	50	167851	25.062	ug/L	98
5) Vinyl chloride	2.37	62	207447	30.092	ug/L	99
6) Bromomethane	2.78	94	143316	24.815	ug/L	100
8) Chloroethane	2.93	64	141929	24.885	ug/L	96
9) Trichlorofluoromethane	3.26	101	116262	21.351	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	158667	25.231	ug/L	98
12) 1,1-Dichloroethene	4.04	96	155719	26.389	ug/L	78
13) Acetone	4.12	43	103858	53.478	ug/L	98
14) Carbon disulfide	4.38	76	465582	29.316	ug/L	100
15) Methyl Acetate	4.67	43	86733	22.733	ug/L	96
16) Methylene chloride	4.92	84	161938	23.174	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	195699	23.438	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	161418	26.018	ug/L	95
19) 1,1-Dichloroethane	6.21	63	295866	26.154	ug/L	99
21) 2-Butanone	7.17	43	126667	47.237	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	172713	25.698	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	80622	25.011	ug/L	97
25) Chloroform	7.67	83	309964	26.165	ug/L	98
27) 1,2-Dichloroethane	8.40	62	222771	25.222	ug/L	99
30) Cyclohexane	7.95	56	272903	26.771	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	248422	27.711	ug/L	99
32) Carbon tetrachloride	8.06	117	254878	28.179	ug/L	98
34) Benzene	8.32	78	661313	26.918	ug/L	100
35) Trichloroethene	9.09	95	170389	26.028	ug/L	99
36) Methylcyclohexane	9.33	83	302355	26.696	ug/L	100
40) 1,2-Dichloropropane	9.37	63	163746	25.974	ug/L	99
41) Bromodichloromethane	9.64	83	228542	26.164	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	265786	25.885	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	259280	45.387	ug/L	99
44) Toluene	10.38	91	713593	26.566	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	230013	25.751	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	126984	25.248	ug/L	98
47) Tetrachloroethene	10.86	164	142195	25.707	ug/L	97
49) 2-Hexanone	10.97	43	197670	49.129	ug/L	99
50) Dibromochloromethane	11.13	129	157008	25.288	ug/L	99
51) 1,2-Dibromoethane	11.23	107	125325	24.580	ug/L	98
52) Chlorobenzene	11.66	112	451413	26.202	ug/L	99
53) Ethylbenzene	11.73	91	818884	27.116	ug/L	100
54) m,p-Xylene	11.84	106	308035	26.848	ug/L	96
55) o-xylene	12.16	106	295351	26.387	ug/L	99
56) Styrene	12.18	104	508093	26.605	ug/L	96
57) Isopropylbenzene	12.46	105	817667	27.270	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	166721	24.572	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	122605	24.348	ug/L	98
62) Bromoform	12.35	173	95514	23.637	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	362028	25.399	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	374504	25.413	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	339822	24.999	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29705	22.298	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	282130	25.377	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	232744	24.923	ug/L	99
69) Naphthalene	15.37	128	475564	24.563	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	220703	25.233	ug/L	99

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

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