

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032819\
 Data File : VW009530.D
 Acq On : 28 Mar 2019 10:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Quant Time: Mar 29 05:35:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 07:41:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	453850	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	433183	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	231135	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107440	19.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.24%
7) Chloroethane-d5	2.87	69	134414	21.18	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.72%
10) 1,1-Dichloroethene-d2	4.01	63	269095	22.96	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.84%
20) 2-Butanone-d5	7.07	46	93241	41.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.14%
24) Chloroform-d	7.64	84	292140	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.30	65	169323	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.76%
29) Benzene-d6	8.27	84	522859	21.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.56%
33) 1,2-Dichloropropane-d6	9.27	67	164329	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.60%
37) Toluene-d8	10.32	98	486449	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.08%
38) trans-1,3-Dichloropropene-	10.57	79	75275	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.56%
39) 2-Hexanone-d5	10.92	63	70480	40.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	157465	22.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	196021	22.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	139472	23.328	ug/L 96
3) Chloromethane	2.21	50	136230	21.476	ug/L 96
5) Vinyl chloride	2.37	62	188851	28.925	ug/L 98
6) Bromomethane	2.75	94	138025	25.233	ug/L 100
8) Chloroethane	2.90	64	149687	27.711	ug/L 95
9) Trichlorofluoromethane	3.24	101	115720	22.438	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	155090	26.040	ug/L 95
12) 1,1-Dichloroethene	4.03	96	151933	27.185	ug/L 81
13) Acetone	4.12	43	84232	45.795	ug/L 99
14) Carbon disulfide	4.37	76	404149	26.870	ug/L 98
15) Methyl Acetate	4.67	43	73418	20.318	ug/L 99
16) Methylene chloride	4.90	84	173506	26.216	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	184319	23.309	ug/L 98
18) trans-1,2-Dichloroethene	5.41	96	144971	24.672	ug/L 95
19) 1,1-Dichloroethane	6.20	63	285082	26.609	ug/L 98
21) 2-Butanone	7.17	43	106623	41.983	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	161022	25.297	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.50	128	73060	23.931	ug/L	98
25) Chloroform	7.67	83	300989	26.826	ug/L	99
27) 1,2-Dichloroethane	8.39	62	213436	25.515	ug/L	98
30) Cyclohexane	7.95	56	254768	25.896	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	233771	27.020	ug/L	99
32) Carbon tetrachloride	8.06	117	238702	27.346	ug/L	98
34) Benzene	8.32	78	632096	26.659	ug/L	100
35) Trichloroethene	9.09	95	161715	25.597	ug/L	98
36) Methylcyclohexane	9.33	83	279508	25.572	ug/L	97
40) 1,2-Dichloropropane	9.37	63	160413	26.365	ug/L	99
41) Bromodichloromethane	9.64	83	220661	26.175	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	252525	25.483	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	226517	41.086	ug/L	100
44) Toluene	10.38	91	698161	26.932	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	215932	25.049	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	119143	24.546	ug/L	98
47) Tetrachloroethene	10.86	164	135670	25.415	ug/L	94
49) 2-Hexanone	10.97	43	167469	43.129	ug/L	98
50) Dibromochloromethane	11.13	129	146767	24.494	ug/L	91
51) 1,2-Dibromoethane	11.23	107	114996	23.370	ug/L	95
52) Chlorobenzene	11.66	112	436201	26.235	ug/L	97
53) Ethylbenzene	11.73	91	803606	27.573	ug/L	100
54) m,p-Xylene	11.84	106	298942	26.998	ug/L	96
55) o-xylene	12.16	106	291073	26.945	ug/L	99
56) Styrene	12.18	104	503492	27.318	ug/L	96
57) Isopropylbenzene	12.46	105	806504	27.871	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	152408	23.275	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	111658	22.977	ug/L	99
62) Bromoform	12.35	173	85492	21.891	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	343137	24.910	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	361234	25.364	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	330673	25.171	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25948	20.154	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	282808	26.321	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	226142	25.057	ug/L	100
69) Naphthalene	15.37	128	412104	22.024	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	210564	24.909	ug/L	98

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

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