

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031619\
 Data File : VW009203.D
 Acq On : 16 Mar 2019 11:38
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Mar 18 02:39:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 23:26:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	528032	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	491791	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	257886	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	161467	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.36%
7) Chloroethane-d5	2.90	69	155296	21.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.12%
10) 1,1-Dichloroethene-d2	4.03	63	340363	24.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.84%
20) 2-Butanone-d5	7.07	46	107338	41.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.26%
24) Chloroform-d	7.64	84	328848	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.30	65	190566	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	8.27	84	626402	23.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.40%
33) 1,2-Dichloropropane-d6	9.27	67	186092	22.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.36%
37) Toluene-d8	10.32	98	583187	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.04%
38) trans-1,3-Dichloropropene-	10.58	79	91392	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	84786	42.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177126	22.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	220906	22.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	190819	27.432	ug/L 94
3) Chloromethane	2.22	50	183049	24.803	ug/L 95
5) Vinyl chloride	2.37	62	235093	30.949	ug/L 98
6) Bromomethane	2.78	94	161055	25.307	ug/L 100
8) Chloroethane	2.93	64	159693	25.410	ug/L 92
9) Trichlorofluoromethane	3.26	101	136027	22.670	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	183149	26.431	ug/L 94
12) 1,1-Dichloroethene	4.04	96	186612	28.700	ug/L 78
13) Acetone	4.12	43	120104	56.124	ug/L 99
14) Carbon disulfide	4.38	76	532227	30.414	ug/L 99
15) Methyl Acetate	4.67	43	97794	23.262	ug/L 98
16) Methylene chloride	4.92	84	177086	22.998	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	218539	23.753	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	182292	26.665	ug/L 97
19) 1,1-Dichloroethane	6.21	63	332683	26.689	ug/L 98
21) 2-Butanone	7.16	43	148606	50.293	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	195024	26.334	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	90576	25.500	ug/L	96
25) Chloroform	7.67	83	344449	26.387	ug/L	100
27) 1,2-Dichloroethane	8.40	62	248067	25.488	ug/L	100
30) Cyclohexane	7.95	56	315915	28.285	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	275757	28.075	ug/L	98
32) Carbon tetrachloride	8.06	117	285011	28.760	ug/L	99
34) Benzene	8.32	78	733727	27.258	ug/L	100
35) Trichloroethene	9.09	95	195734	27.289	ug/L	99
36) Methylcyclohexane	9.34	83	348192	28.059	ug/L	99
40) 1,2-Dichloropropane	9.37	63	183495	26.565	ug/L	99
41) Bromodichloromethane	9.64	83	254967	26.640	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	297655	26.458	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	294887	47.113	ug/L	99
44) Toluene	10.38	91	802687	27.274	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	257451	26.307	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	141713	25.716	ug/L	97
47) Tetrachloroethene	10.86	164	163985	27.058	ug/L	98
49) 2-Hexanone	10.97	43	219381	49.765	ug/L	100
50) Dibromochloromethane	11.13	129	179657	26.410	ug/L	99
51) 1,2-Dibromoethane	11.23	107	139946	25.051	ug/L	96
52) Chlorobenzene	11.66	112	509798	27.007	ug/L	99
53) Ethylbenzene	11.73	91	914898	27.650	ug/L	97
54) m,p-Xylene	11.84	106	346852	27.592	ug/L	96
55) o-xylene	12.16	106	332933	27.148	ug/L	96
56) Styrene	12.18	104	572621	27.366	ug/L	95
57) Isopropylbenzene	12.46	105	920996	28.035	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	185534	24.957	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	135633	24.584	ug/L	100
62) Bromoform	12.35	173	110294	25.312	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	402275	26.173	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	421367	26.517	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	387852	26.461	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	33715	23.470	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	321964	26.857	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	267103	26.525	ug/L	99
69) Naphthalene	15.37	128	536304	25.689	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	247396	26.231	ug/L	99

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

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