

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW050119\
 Data File : VW010241.D
 Acq On : 01 May 2019 08:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Quant Time: May 02 03:23:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 07:37:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	633959	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	668894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	327424	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	176834	24.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.32%
7) Chloroethane-d5	2.89	69	135350	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.80%
10) 1,1-Dichloroethene-d2	4.02	63	345506	21.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.40%
20) 2-Butanone-d5	7.07	46	108531	40.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.84%
24) Chloroform-d	7.65	84	358588	21.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.32%
26) 1,2-Dichloroethane-d4	8.31	65	201571	21.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.44%
29) Benzene-d6	8.27	84	657500	18.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.00%
33) 1,2-Dichloropropane-d6	9.27	67	203902	18.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	72.48%
37) Toluene-d8	10.32	98	749334	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	10.58	79	119837	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	10.93	63	118617	50.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	227685	23.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	277003	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	230097	25.837	ug/L 90
3) Chloromethane	2.21	50	246342	32.867	ug/L 97
5) Vinyl chloride	2.37	62	297022	32.299	ug/L 99
6) Bromomethane	2.78	94	145319	27.669	ug/L 99
8) Chloroethane	2.93	64	157663	28.757	ug/L 96
9) Trichlorofluoromethane	3.25	101	155287	31.048	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	190604	24.929	ug/L 98
12) 1,1-Dichloroethene	4.04	96	198380	25.774	ug/L 81
13) Acetone	4.12	43	101187	48.270	ug/L 99
14) Carbon disulfide	4.37	76	556298	25.084	ug/L 100
15) Methyl Acetate	4.67	43	100369	22.053	ug/L 100
16) Methylene chloride	4.91	84	196558	18.632	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	258205	25.805	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	208615	25.654	ug/L 100
19) 1,1-Dichloroethane	6.21	63	385283	25.523	ug/L 99
21) 2-Butanone	7.17	43	142531	48.484	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	227246	25.842	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	98987	24.483	ug/L	97
25) Chloroform	7.67	83	404103	26.126	ug/L	99
27) 1,2-Dichloroethane	8.40	62	284399	25.980	ug/L	98
30) Cyclohexane	7.95	56	365719	24.146	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	340234	24.345	ug/L	99
32) Carbon tetrachloride	8.06	117	331823	23.921	ug/L	100
34) Benzene	8.32	78	854586	22.767	ug/L	100
35) Trichloroethene	9.09	95	230398	23.020	ug/L	100
36) Methylcyclohexane	9.34	83	395987	23.775	ug/L	100
40) 1,2-Dichloropropane	9.37	63	212847	21.852	ug/L	100
41) Bromodichloromethane	9.64	83	292758	22.862	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	348920	23.028	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	361495	52.659	ug/L	99
44) Toluene	10.38	91	1212007	30.170	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	382239	28.997	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	206332	28.342	ug/L	96
47) Tetrachloroethene	10.86	164	231979	27.932	ug/L	98
49) 2-Hexanone	10.97	43	307453	62.650	ug/L	98
50) Dibromochloromethane	11.13	129	235971	26.103	ug/L	95
51) 1,2-Dibromoethane	11.23	107	199403	27.979	ug/L	97
52) Chlorobenzene	11.66	112	705381	26.804	ug/L	98
53) Ethylbenzene	11.73	91	1337404	29.404	ug/L	100
54) m,p-Xylene	11.84	106	518947	30.317	ug/L	99
55) o-xylene	12.16	106	483811	29.900	ug/L	99
56) Styrene	12.18	104	839714	29.966	ug/L	98
57) Isopropylbenzene	12.46	105	1360730	30.903	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	251498	27.740	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	185004	27.373	ug/L	99
62) Bromoform	12.35	173	135681	25.789	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	530560	26.831	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	540590	26.003	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	529987	28.454	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34022	21.999	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	381043	25.044	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	307160	24.931	ug/L	100
69) Naphthalene	15.37	128	590071	23.388	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	273970	23.530	ug/L	99

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

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