

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010211.D
 Acq On : 30 Apr 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: May 01 03:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 06:52:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	630470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	593046	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	292622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	151607	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
7) Chloroethane-d5	2.89	69	128721	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.80%
10) 1,1-Dichloroethene-d2	4.01	63	392534	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.72%
20) 2-Butanone-d5	7.07	46	128520	48.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.44%
24) Chloroform-d	7.65	84	399443	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	8.31	65	232090	24.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.92%
29) Benzene-d6	8.27	84	720708	22.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.28%
33) 1,2-Dichloropropane-d6	9.27	67	230154	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.28%
37) Toluene-d8	10.32	98	646438	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.04%
38) trans-1,3-Dichloropropene-	10.58	79	104608	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.04%
39) 2-Hexanone-d5	10.93	63	102610	48.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	205764	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	227166	20.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	213764	24.136	ug/L	99
3) Chloromethane	2.21	50	190915	25.613	ug/L	95
5) Vinyl chloride	2.37	62	240080	26.252	ug/L	98
6) Bromomethane	2.78	94	135934	26.026	ug/L	98
8) Chloroethane	2.92	64	139968	25.671	ug/L	95
9) Trichlorofluoromethane	3.25	101	129423	26.020	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	202579	26.641	ug/L	96
12) 1,1-Dichloroethene	4.03	96	206375	26.961	ug/L	93
13) Acetone	4.12	43	120933	58.008	ug/L	97
14) Carbon disulfide	4.37	76	615031	27.885	ug/L	99
15) Methyl Acetate	4.67	43	124055	27.408	ug/L	96
16) Methylene chloride	4.91	84	208504	19.874	ug/L	89
17) Methyl tert-butyl Ether	5.42	73	263735	26.504	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	215039	26.591	ug/L	91
19) 1,1-Dichloroethane	6.21	63	419803	27.964	ug/L	99
21) 2-Butanone	7.17	43	162896	55.718	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	235393	26.916	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	101134	25.153	ug/L #	90
25) Chloroform	7.67	83	426889	27.752	ug/L	98
27) 1,2-Dichloroethane	8.40	62	314852	28.922	ug/L	98
30) Cyclohexane	7.95	56	390650	29.090	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	338384	27.309	ug/L	97
32) Carbon tetrachloride	8.06	117	329868	26.822	ug/L	99
34) Benzene	8.32	78	911920	27.402	ug/L	100
35) Trichloroethene	9.09	95	232838	26.239	ug/L	96
36) Methylcyclohexane	9.34	83	409074	27.702	ug/L	96
40) 1,2-Dichloropropane	9.37	63	236708	27.410	ug/L	98
41) Bromodichloromethane	9.64	83	310967	27.389	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	360427	26.830	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	348855	57.317	ug/L	95
44) Toluene	10.38	91	982335	27.580	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	323161	27.651	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	169497	26.260	ug/L	98
47) Tetrachloroethene	10.86	164	180436	24.505	ug/L	98
49) 2-Hexanone	10.97	43	261026	59.992	ug/L	97
50) Dibromochloromethane	11.13	129	203051	25.334	ug/L	95
51) 1,2-Dibromoethane	11.24	107	163044	25.803	ug/L #	98
52) Chlorobenzene	11.66	112	603525	25.867	ug/L	96
53) Ethylbenzene	11.73	91	1116363	27.684	ug/L	99
54) m,p-Xylene	11.84	106	409460	26.980	ug/L	98
55) o-xylene	12.16	106	384608	26.809	ug/L	99
56) Styrene	12.18	104	679633	27.355	ug/L	97
57) Isopropylbenzene	12.47	105	1072752	27.479	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	217283	27.031	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	159706	26.652	ug/L	99
62) Bromoform	12.35	173	114065	24.259	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	445531	25.210	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	468670	25.224	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	424413	25.496	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	36505	26.412	ug/L	81
67) 1,3,5-Trichlorobenzene	14.63	180	337874	24.848	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	264081	23.983	ug/L	98
69) Naphthalene	15.37	128	543559	24.107	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	249687	23.995	ug/L	99

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

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