

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\
 Data File : VW009880.D
 Acq On : 10 Apr 2019 13:54
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Apr 10 14:15:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 10 08:15:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	542827	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	506786	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	256464	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	181278	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.08%
7) Chloroethane-d5	2.89	69	153342	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.24%
10) 1,1-Dichloroethene-d2	4.02	63	429042	28.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.36%#
20) 2-Butanone-d5	7.08	46	110481	47.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.80%
24) Chloroform-d	7.65	84	394233	26.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.48%
26) 1,2-Dichloroethane-d4	8.31	65	235811	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.72%
29) Benzene-d6	8.27	84	744056	27.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.88%
33) 1,2-Dichloropropane-d6	9.27	67	219108	26.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.64%
37) Toluene-d8	10.32	98	679527	27.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.52%
38) trans-1,3-Dichloropropene-	10.58	79	103939	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.08%
39) 2-Hexanone-d5	10.93	63	82612	53.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	193538	25.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	235119	26.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	182055	25.460	ug/L	96
3) Chloromethane	2.21	50	157389	21.299	ug/L	97
5) Vinyl chloride	2.37	62	214406	22.620	ug/L	98
6) Bromomethane	2.78	94	132511	20.203	ug/L	100
8) Chloroethane	2.93	64	135800	21.829	ug/L	97
9) Trichlorofluoromethane	3.26	101	121578	20.909	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	200301	26.483	ug/L	95
12) 1,1-Dichloroethene	4.04	96	188281	26.114	ug/L	95
13) Acetone	4.12	43	124078	50.211	ug/L	96
14) Carbon disulfide	4.38	76	535339	23.888	ug/L	98
15) Methyl Acetate	4.67	43	111541	24.756	ug/L	98
16) Methylene chloride	4.92	84	220025	22.983	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	270686	27.254	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	192403	25.660	ug/L	99
19) 1,1-Dichloroethane	6.21	63	386659	26.871	ug/L	98
21) 2-Butanone	7.17	43	159483	50.745	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	218112	27.198	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	94448	25.671	ug/L	96
25) Chloroform	7.67	83	405493	26.903	ug/L	100
27) 1,2-Dichloroethane	8.40	62	297559	26.101	ug/L	98
30) Cyclohexane	7.95	56	339713	28.401	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	322351	28.039	ug/L	99
32) Carbon tetrachloride	8.06	117	314254	27.265	ug/L	99
34) Benzene	8.32	78	833201	27.326	ug/L	100
35) Trichloroethene	9.09	95	216172	27.091	ug/L	98
36) Methylcyclohexane	9.34	83	366759	27.956	ug/L	99
40) 1,2-Dichloropropane	9.37	63	214352	27.463	ug/L	99
41) Bromodichloromethane	9.64	83	291220	27.041	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	333455	27.577	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	328466	54.176	ug/L	99
44) Toluene	10.38	91	895071	27.711	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	286229	27.456	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	156931	26.786	ug/L	97
47) Tetrachloroethene	10.86	164	165461	26.328	ug/L	98
49) 2-Hexanone	10.97	43	246217	54.540	ug/L	100
50) Dibromochloromethane	11.13	129	190064	26.406	ug/L	98
51) 1,2-Dibromoethane	11.24	107	152073	25.899	ug/L	99
52) Chlorobenzene	11.66	112	558516	26.863	ug/L	100
53) Ethylbenzene	11.73	91	1032419	28.059	ug/L	99
54) m,p-Xylene	11.84	106	381307	28.019	ug/L	98
55) o-xylene	12.16	106	361270	27.873	ug/L	99
56) Styrene	12.18	104	630502	28.036	ug/L	99
57) Isopropylbenzene	12.46	105	1016667	28.646	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	204814	25.999	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	152481	26.002	ug/L	99
62) Bromoform	12.35	173	109552	24.295	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	426333	26.873	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	447255	26.437	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	405672	26.728	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	35855	24.269	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	331264	28.142	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	263531	27.877	ug/L	99
69) Naphthalene	15.37	128	530375	27.914	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	245491	27.760	ug/L	99

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

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