

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042219\
 Data File : VW010077.D
 Acq On : 22 Apr 2019 11:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Apr 23 06:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 20 03:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	862226	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	785263	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	384103	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	193134	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
7) Chloroethane-d5	2.89	69	152621	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.96%
10) 1,1-Dichloroethene-d2	4.01	63	562066	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.48%
20) 2-Butanone-d5	7.07	46	182368	41.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.74%
24) Chloroform-d	7.65	84	519352	20.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.32%
26) 1,2-Dichloroethane-d4	8.31	65	298190	19.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.12%
29) Benzene-d6	8.27	84	1000861	23.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.76%
33) 1,2-Dichloropropane-d6	9.27	67	307156	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.40%
37) Toluene-d8	10.32	98	919988	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.48%
38) trans-1,3-Dichloropropene-	10.58	79	147681	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	139934	45.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	258861	20.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	318975	22.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	317002	26.205	ug/L 94
3) Chloromethane	2.21	50	223575	20.277	ug/L 99
5) Vinyl chloride	2.37	62	285780	27.552	ug/L 98
6) Bromomethane	2.78	94	163504	21.345	ug/L 97
8) Chloroethane	2.92	64	163015	21.892	ug/L 99
9) Trichlorofluoromethane	3.25	101	157999	18.503	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	287947	25.899	ug/L 98
12) 1,1-Dichloroethene	4.03	96	281813	27.072	ug/L 93
13) Acetone	4.12	43	184471	47.065	ug/L 100
14) Carbon disulfide	4.37	76	827825	28.054	ug/L 99
15) Methyl Acetate	4.67	43	173863	21.978	ug/L 99
16) Methylene chloride	4.91	84	291902	18.697	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	387034	25.405	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	301346	25.579	ug/L 96
19) 1,1-Dichloroethane	6.21	63	572344	24.373	ug/L 99
21) 2-Butanone	7.17	43	240178	46.797	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	321835	25.173	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	141122	23.702	ug/L	97
25) Chloroform	7.67	83	563437	23.449	ug/L	99
27) 1,2-Dichloroethane	8.40	62	409382	22.130	ug/L	98
30) Cyclohexane	7.95	56	547119	30.828	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	458585	27.963	ug/L	98
32) Carbon tetrachloride	8.06	117	446597	27.736	ug/L	100
34) Benzene	8.32	78	1233676	26.669	ug/L	100
35) Trichloroethene	9.09	95	320302	26.630	ug/L	98
36) Methylcyclohexane	9.34	83	565434	29.260	ug/L	98
40) 1,2-Dichloropropane	9.37	63	311277	25.443	ug/L	100
41) Bromodichloromethane	9.64	83	413810	24.775	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	505370	26.794	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	485658	48.200	ug/L	97
44) Toluene	10.38	91	1323439	26.967	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	421280	25.296	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	229518	24.055	ug/L	98
47) Tetrachloroethene	10.86	164	249412	26.546	ug/L	96
49) 2-Hexanone	10.97	43	361280	50.471	ug/L	100
50) Dibromochloromethane	11.13	129	274133	24.205	ug/L	98
51) 1,2-Dibromoethane	11.23	107	225542	24.149	ug/L	97
52) Chlorobenzene	11.66	112	812896	25.385	ug/L	98
53) Ethylbenzene	11.73	91	1498334	27.316	ug/L	99
54) m,p-Xylene	11.84	106	556904	27.757	ug/L	97
55) o-xylene	12.16	106	531802	27.636	ug/L	97
56) Styrene	12.18	104	904366	26.846	ug/L	100
57) Isopropylbenzene	12.46	105	1471049	28.700	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	291350	23.212	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	218852	23.299	ug/L	99
62) Bromoform	12.35	173	159009	23.573	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	622213	26.811	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	637508	25.564	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	573209	25.173	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	51773	22.468	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	469441	27.616	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	389019	27.936	ug/L	100
69) Naphthalene	15.38	128	831704	27.828	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	349618	26.313	ug/L	100

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

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