

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050719\
 Data File : VW010316.D
 Acq On : 08 May 2019 00:40
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: May 08 04:40:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:05:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	554895	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	549732	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	269372	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	146704	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
7) Chloroethane-d5	2.89	69	119998	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.80%
10) 1,1-Dichloroethene-d2	4.02	63	367924	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.44%
20) 2-Butanone-d5	7.08	46	171045	57.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.28%
24) Chloroform-d	7.65	84	398115	26.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.76%
26) 1,2-Dichloroethane-d4	8.30	65	252739	28.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.56%
29) Benzene-d6	8.27	84	749608	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	9.27	67	243005	26.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.48%
37) Toluene-d8	10.32	98	678422	25.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.92%
38) trans-1,3-Dichloropropene-	10.58	79	108576	26.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.08%
39) 2-Hexanone-d5	10.93	63	145470	62.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	254278	29.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	242859	26.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	157548	21.241	ug/L	95
3) Chloromethane	2.22	50	165142	23.102	ug/L	98
5) Vinyl chloride	2.37	62	181181	21.646	ug/L	97
6) Bromomethane	2.77	94	106285	21.007	ug/L	99
8) Chloroethane	2.92	64	103493	20.538	ug/L	95
9) Trichlorofluoromethane	3.24	101	76611	14.180	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	170271	22.897	ug/L	99
12) 1,1-Dichloroethene	4.03	96	176925	23.487	ug/L	96
13) Acetone	4.12	43	123760	48.318	ug/L	99
14) Carbon disulfide	4.38	76	506968	21.991	ug/L	95
15) Methyl Acetate	4.67	43	137016	25.074	ug/L	99
16) Methylene chloride	4.92	84	202837	27.002	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	259941	26.327	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	176560	22.721	ug/L	98
19) 1,1-Dichloroethane	6.21	63	358170	24.046	ug/L	100
21) 2-Butanone	7.17	43	203136	55.441	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	203105	25.311	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	97914	27.198	ug/L	93
25) Chloroform	7.67	83	381014	25.903	ug/L	100
27) 1,2-Dichloroethane	8.40	62	300820	27.865	ug/L	98
30) Cyclohexane	7.95	56	304458	21.419	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	255438	20.404	ug/L	100
32) Carbon tetrachloride	8.06	117	262486	21.096	ug/L	100
34) Benzene	8.32	78	818362	24.254	ug/L	100
35) Trichloroethene	9.09	95	203780	22.857	ug/L	99
36) Methylcyclohexane	9.34	83	331688	22.026	ug/L	99
40) 1,2-Dichloropropane	9.37	63	219951	25.545	ug/L	99
41) Bromodichloromethane	9.64	83	288039	25.851	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	321682	24.967	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	425014	55.408	ug/L	99
44) Toluene	10.38	91	873246	24.711	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	287779	25.903	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	172774	26.865	ug/L	98
47) Tetrachloroethene	10.86	164	151614	22.492	ug/L	97
49) 2-Hexanone	10.97	43	320556	55.106	ug/L	98
50) Dibromochloromethane	11.13	129	198181	26.789	ug/L	98
51) 1,2-Dibromoethane	11.23	107	171226	27.030	ug/L	98
52) Chlorobenzene	11.66	112	539167	24.424	ug/L	99
53) Ethylbenzene	11.73	91	955491	24.224	ug/L	99
54) m,p-Xylene	11.84	106	356657	24.856	ug/L	97
55) o-xylene	12.16	106	341757	25.584	ug/L	99
56) Styrene	12.18	104	619497	26.876	ug/L	99
57) Isopropylbenzene	12.46	105	897849	24.458	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	238119	26.940	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	185850	27.391	ug/L	100
62) Bromoform	12.35	173	120204	25.946	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	386926	24.125	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	420093	24.185	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	396891	25.720	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	46130	25.086	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	278774	23.205	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	234343	24.648	ug/L	98
69) Naphthalene	15.37	128	624314	29.117	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	244016	26.719	ug/L	98

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

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