

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\
 Data File : VW016923.D
 Acq On : 16 Oct 2020 12:01
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Oct 17 00:40:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 14:38:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	507183	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	467869	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	233250	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	113665	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	2.89	69	98332	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
10) 1,1-Dichloroethene-d2	4.03	63	250848	23.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.44%
20) 2-Butanone-d5	7.08	46	71019	62.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.34%
24) Chloroform-d	7.65	84	281041	26.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.04%
26) 1,2-Dichloroethane-d4	8.31	65	138508	26.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.20%
29) Benzene-d6	8.27	84	534804	25.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.68%
33) 1,2-Dichloropropane-d6	9.27	67	149835	26.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.96%
37) Toluene-d8	10.32	98	498337	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.40%
38) trans-1,3-Dichloropropene-	10.58	79	66222	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.16%
39) 2-Hexanone-d5	10.93	63	59796	67.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.42%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136560	29.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	200117	27.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	127164	20.977	ug/L 93
3) Chloromethane	2.21	50	108457	20.296	ug/L 99
5) Vinyl chloride	2.37	62	174260	25.119	ug/L 98
6) Bromomethane	2.78	94	116858	22.913	ug/L 98
8) Chloroethane	2.93	64	102433	23.924	ug/L 99
9) Trichlorofluoromethane	3.26	101	111811	20.860	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	164832	24.139	ug/L 98
12) 1,1-Dichloroethene	4.04	96	155626	23.732	ug/L 94
13) Acetone	4.13	43	46450	54.162	ug/L 99
14) Carbon disulfide	4.38	76	440504	23.427	ug/L 99
15) Methyl Acetate	4.67	43	57208	27.919	ug/L 97
16) Methylene chloride	4.92	84	152246	21.751	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	184112	25.090	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	163618	23.884	ug/L 98
19) 1,1-Dichloroethane	6.21	63	260162	24.661	ug/L 98
21) 2-Butanone	7.16	43	71713	49.811	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	172497	24.678	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	82324	25.080	ug/L	98
25) Chloroform	7.68	83	283469	24.882	ug/L	98
27) 1,2-Dichloroethane	8.40	62	167862	24.631	ug/L	99
30) Cyclohexane	7.95	56	231928	23.904	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	245331	24.657	ug/L	99
32) Carbon tetrachloride	8.07	117	232479	23.944	ug/L	99
34) Benzene	8.32	78	605386	24.095	ug/L	100
35) Trichloroethene	9.09	95	169429	23.840	ug/L	99
36) Methylcyclohexane	9.34	83	283870	23.755	ug/L	99
40) 1,2-Dichloropropane	9.37	63	139989	24.640	ug/L	100
41) Bromodichloromethane	9.65	83	199256	24.965	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	227826	25.151	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	162775	56.909	ug/L	99
44) Toluene	10.39	91	675227	24.225	ug/L	91
45) trans-1,3-Dichloropropene	10.61	75	198183	26.000	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	118668	25.694	ug/L	99
47) Tetrachloroethene	10.87	164	156147	23.698	ug/L	96
49) 2-Hexanone	10.97	43	111174	58.887	ug/L	99
50) Dibromochloromethane	11.13	129	148245	25.820	ug/L	96
51) 1,2-Dibromoethane	11.24	107	116491	25.667	ug/L	96
52) Chlorobenzene	11.66	112	451192	24.121	ug/L	98
53) Ethylbenzene	11.73	91	764949	24.465	ug/L	99
54) m,p-Xylene	11.84	106	302091	24.842	ug/L	98
55) o-xylene	12.16	106	289591	24.924	ug/L	98
56) Styrene	12.18	104	484657	25.278	ug/L	96
57) Isopropylbenzene	12.46	105	791905	24.890	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	139597	27.350	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	97841	26.461	ug/L	98
62) Bromoform	12.35	173	82769	25.225	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	372249	25.076	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	362063	24.388	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	328984	24.752	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	21760	26.990	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	276556	25.063	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	236866	26.135	ug/L	100
69) Naphthalene	15.37	128	425896	28.378	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	208306	26.747	ug/L	99

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

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