

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040320\
 Data File : VW015155.D
 Acq On : 03 Apr 2020 19:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Apr 03 23:55:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 23:41:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	555032	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	510516	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	228088	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	217464	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.76%
7) Chloroethane-d5	2.89	69	199201	25.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.80%
10) 1,1-Dichloroethene-d2	4.03	63	434213	22.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.16%
20) 2-Butanone-d5	7.07	46	163510	74.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.88%#
24) Chloroform-d	7.65	84	392411	23.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.64%
26) 1,2-Dichloroethane-d4	8.31	65	246639	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.72%
29) Benzene-d6	8.27	84	751686	23.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.04%
33) 1,2-Dichloropropane-d6	9.27	67	252399	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.00%
37) Toluene-d8	10.32	98	663255	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	10.57	79	105556	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.64%
39) 2-Hexanone-d5	10.92	63	114728	71.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.12%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	224229	30.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.80%#
61) 1,2-Dichlorobenzene-d4	13.85	152	189951	23.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	107301	24.849	ug/L 97
3) Chloromethane	2.21	50	169270	21.199	ug/L 97
5) Vinyl chloride	2.37	62	263459	23.681	ug/L 100
6) Bromomethane	2.78	94	152877	24.894	ug/L 100
8) Chloroethane	2.93	64	172142	25.416	ug/L 97
9) Trichlorofluoromethane	3.26	101	138143	22.185	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	208036	24.014	ug/L 99
12) 1,1-Dichloroethene	4.05	96	190605	23.185	ug/L 97
13) Acetone	4.13	43	127844	65.653	ug/L 99
14) Carbon disulfide	4.39	76	687691	22.488	ug/L 99
15) Methyl Acetate	4.68	43	147425	32.050	ug/L 98
16) Methylene chloride	4.92	84	219415	23.129	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	289587	27.128	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	197537	23.118	ug/L 99
19) 1,1-Dichloroethane	6.21	63	426707	23.304	ug/L 98
21) 2-Butanone	7.17	43	192083	69.645	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	200988	23.686	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86793	24.913	ug/L	99
25) Chloroform	7.68	83	390480	23.606	ug/L	100
27) 1,2-Dichloroethane	8.40	62	308516	25.970	ug/L	99
30) Cyclohexane	7.96	56	403225	24.207	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	312830	23.325	ug/L	100
32) Carbon tetrachloride	8.07	117	274513	23.592	ug/L	99
34) Benzene	8.32	78	893951	23.670	ug/L	100
35) Trichloroethene	9.09	95	209988	22.840	ug/L	99
36) Methylcyclohexane	9.34	83	378225	23.946	ug/L	100
40) 1,2-Dichloropropane	9.37	63	244889	23.512	ug/L	100
41) Bromodichloromethane	9.64	83	284905	24.042	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	338068	24.704	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	410089	69.592	ug/L	99
44) Toluene	10.38	91	892089	23.888	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	313921	26.233	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	160900	26.280	ug/L	98
47) Tetrachloroethene	10.86	164	133008	22.417	ug/L	98
49) 2-Hexanone	10.97	43	302197	76.895	ug/L	99
50) Dibromochloromethane	11.13	129	162806	25.865	ug/L	99
51) 1,2-Dibromoethane	11.23	107	147335	27.173	ug/L	99
52) Chlorobenzene	11.65	112	506558	23.206	ug/L	97
53) Ethylbenzene	11.73	91	964917	23.921	ug/L	98
54) m,p-Xylene	11.84	106	340673	24.090	ug/L	94
55) o-xylene	12.16	106	329315	24.840	ug/L	100
56) Styrene	12.18	104	569771	25.252	ug/L	95
57) Isopropylbenzene	12.46	105	906487	24.817	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	230445	30.073	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	176614	30.813	ug/L	98
62) Bromoform	12.35	173	90187	27.198	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	344231	23.028	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	348597	22.792	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	331044	24.334	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	40814	31.496	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	221045	22.969	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	176303	24.306	ug/L	98
69) Naphthalene	15.36	128	454616	32.235	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	179492	26.629	ug/L	99

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

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