

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091120\
 Data File : VW016554.D
 Acq On : 11 Sep 2020 17:02
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 10:27:52 AM

Quant Time: Sep 12 08:29:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 12 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	592655	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	542137	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	261257	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	128040	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
7) Chloroethane-d5	2.90	69	142559	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.00%
10) 1,1-Dichloroethene-d2	4.03	63	314760	21.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.08%
20) 2-Butanone-d5	7.09	46	83150	37.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.06%
24) Chloroform-d	7.66	84	351933	25.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	8.31	65	183531	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.72%
29) Benzene-d6	8.28	84	647074	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	9.28	67	188908	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.32%
37) Toluene-d8	10.33	98	637606	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.36%
38) trans-1,3-Dichloropropene-	10.58	79	87647	21.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.80%
39) 2-Hexanone-d5	10.93	63	67833	40.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	165559	24.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	221654	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	106790	16.106	ug/L 97
3) Chloromethane	2.23	50	123083	21.143	ug/L 98
5) Vinyl chloride	2.37	62	185197	24.977	ug/L 98
6) Bromomethane	2.79	94	155750	28.104	ug/L 100
8) Chloroethane	2.94	64	123449	27.064	ug/L 99
9) Trichlorofluoromethane	3.28	101	161335	26.569	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	179473	24.989	ug/L 93
12) 1,1-Dichloroethene	4.05	96	171247	23.449	ug/L 94
13) Acetone	4.13	43	57948	40.206	ug/L 98
14) Carbon disulfide	4.40	76	507925	22.758	ug/L 99
15) Methyl Acetate	4.68	43	62378m	17.845	ug/L
16) Methylene chloride	4.93	84	181575	19.631	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	247157	22.560	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	183881	23.704	ug/L 95
19) 1,1-Dichloroethane	6.23	63	313203	23.722	ug/L 97
21) 2-Butanone	7.18	43	80684	33.354	ug/L 92
22) cis-1,2-Dichloroethene	7.18	96	195612	24.205	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	84321	22.510	ug/L	97
25) Chloroform	7.68	83	330682	24.199	ug/L	98
27) 1,2-Dichloroethane	8.40	62	215045	23.632	ug/L	100
30) Cyclohexane	7.96	56	283380	21.882	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	299952	25.551	ug/L	98
32) Carbon tetrachloride	8.08	117	277440	24.709	ug/L	97
34) Benzene	8.33	78	723808	24.419	ug/L	100
35) Trichloroethene	9.10	95	197898	24.095	ug/L	99
36) Methylcyclohexane	9.34	83	336281	23.401	ug/L	96
40) 1,2-Dichloropropane	9.37	63	168701	23.019	ug/L	100
41) Bromodichloromethane	9.65	83	243411	23.756	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	279581	22.480	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	189664	36.547	ug/L	98
44) Toluene	10.39	91	820674	24.742	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	248270	22.333	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	129215	22.246	ug/L	99
47) Tetrachloroethene	10.87	164	149847	22.755	ug/L	90
49) 2-Hexanone	10.97	43	131476	36.378	ug/L	97
50) Dibromochloromethane	11.13	129	163033	22.197	ug/L	98
51) 1,2-Dibromoethane	11.24	107	127835	22.024	ug/L	96
52) Chlorobenzene	11.66	112	510322	24.254	ug/L	96
53) Ethylbenzene	11.73	91	938309	25.115	ug/L	100
54) m,p-Xylene	11.84	106	356594	24.974	ug/L	97
55) o-xylene	12.17	106	343700	25.269	ug/L	97
56) Styrene	12.18	104	584795	25.023	ug/L	98
57) Isopropylbenzene	12.47	105	955147	25.635	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	154430	22.302	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	109215	21.103	ug/L	100
62) Bromoform	12.35	173	89511	20.418	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	389887	23.704	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	391303	23.993	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	354551	24.251	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26035	19.124	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	263357	23.230	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	209545	21.370	ug/L	96
69) Naphthalene	15.36	128	417709	20.184	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	176566	20.972	ug/L	98

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

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