

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042720\
 Data File : VW015348.D
 Acq On : 27 Apr 2020 09:45
 Operator : SY/VA
 Sample : VSTD2.506
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 12:06:01 PM

Quant Time: Apr 27 11:14:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 27 11:03:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	345463	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320628	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161187	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	10828	3.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	9461	3.57	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	19155	2.41	ug/L	0.00
20) 2-Butanone-d5	7.09	46	4103	4.06	ug/L	0.00
24) Chloroform-d	7.65	84	13969	1.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	10577	2.79	ug/L	0.00
29) Benzene-d6	8.28	84	37923	2.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	10757	2.06	ug/L	0.00
37) Toluene-d8	10.32	98	40166	2.45	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5494	2.36	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3595	3.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	8198	2.16	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	14693	2.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	12897	3.659 ug/L	100
3) Chloromethane	2.22	50	10742	2.537 ug/L	100
5) Vinyl chloride	2.36	62	12540	3.040 ug/L	99
6) Bromomethane	2.78	94	8423	3.632 ug/L	96
8) Chloroethane	2.92	64	8645	3.675 ug/L	99
9) Trichlorofluoromethane	3.26	101	18330	5.572 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	11295	2.411 ug/L	99
12) 1,1-Dichloroethene	4.05	96	10051	2.212 ug/L	92
13) Acetone	4.14	43	3819	5.209 ug/L	97
14) Carbon disulfide	4.39	76	31204	2.187 ug/L	99
15) Methyl Acetate	4.68	43	3383	2.010 ug/L	97
16) Methylene chloride	4.92	84	13143	2.735 ug/L	93
17) Methyl tert-butyl Ether	5.44	73	23444	3.904 ug/L	# 86
18) trans-1,2-Dichloroethene	5.44	96	11250	2.414 ug/L	94
19) 1,1-Dichloroethane	6.23	63	17025	2.152 ug/L	98
21) 2-Butanone	7.18	43	5411	4.584 ug/L	83
22) cis-1,2-Dichloroethene	7.18	96	11708	2.405 ug/L	98
23) Bromochloromethane	7.52	128	5206	2.570 ug/L	98
25) Chloroform	7.68	83	24183	3.141 ug/L	99
27) 1,2-Dichloroethane	8.40	62	11681	2.539 ug/L	99
30) Cyclohexane	7.96	56	16383	1.886 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	18560	2.610 ug/L	98
32) Carbon tetrachloride	8.07	117	16915	2.597 ug/L	99
34) Benzene	8.32	78	40420	2.055 ug/L	100
35) Trichloroethene	9.09	95	11737	2.305 ug/L	97
36) Methylcyclohexane	9.34	83	19943	2.123 ug/L	98
40) 1,2-Dichloropropane	9.37	63	9111	1.910 ug/L	99
41) Bromodichloromethane	9.65	83	13876	2.330 ug/L	89
42) cis-1,3-Dichloropropene	10.07	75	15802	2.106 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	9830	3.561 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	46826	2.243	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	13567	2.138	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	7488	2.218	ug/L	96
47) Tetrachloroethene	10.87	164	10849	2.806	ug/L	91
49) 2-Hexanone	10.97	43	7266	3.987	ug/L	98
50) Dibromochloromethane	11.13	129	9851	2.481	ug/L	96
51) 1,2-Dibromoethane	11.23	107	7227	2.278	ug/L	97
52) Chlorobenzene	11.66	112	30988	2.405	ug/L	97
53) Ethylbenzene	11.73	91	54221	2.316	ug/L	98
54) m,p-Xylene	11.84	106	21827	2.422	ug/L	91
55) o-xylene	12.16	106	19866	2.302	ug/L	90
56) Styrene	12.18	104	33351	2.313	ug/L	100
57) Isopropylbenzene	12.46	105	56286	2.428	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	8036	2.075	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	6350m	2.230	ug/L	
62) Bromoform	12.35	173	6007	2.410	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	25605	2.419	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	25040	2.420	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	22647	2.412	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1531	2.152	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	18429	2.551	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	13869	2.334	ug/L	99
69) Naphthalene	15.36	128	22294	1.877	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	11853	2.332	ug/L	97

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

