

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016960.D
 Acq On : 22 Oct 2020 10:05
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:02 PM

Quant Time: Oct 22 12:13:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 11:56:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	594566	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	530897	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	254348	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	18446	3.12	ug/L	0.00
7) Chloroethane-d5	2.90	69	14111	2.87	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	33491	2.69	ug/L	0.00
20) 2-Butanone-d5	7.10	46	7456m	5.72	ug/L	0.01
24) Chloroform-d	7.65	84	36788	2.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	17887	2.97	ug/L	0.00
29) Benzene-d6	8.28	84	73242	3.03	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	19511	2.99	ug/L	0.00
37) Toluene-d8	10.33	98	67260	2.94	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7566	2.66	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5052	5.13	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	15614	3.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	24429	3.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	13255	1.887 ug/L	97
3) Chloromethane	2.21	50	13798	2.245 ug/L	93
5) Vinyl chloride	2.37	62	19866	2.424 ug/L	100
6) Bromomethane	2.79	94	13926	2.334 ug/L	98
8) Chloroethane	2.93	64	11253	2.245 ug/L	88
9) Trichlorofluoromethane	3.27	101	14220	2.227 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	19141	2.377 ug/L #	91
12) 1,1-Dichloroethene	4.05	96	17653	2.292 ug/L	94
13) Acetone	4.15	43	5109m	5.185 ug/L	
14) Carbon disulfide	4.39	76	58642	2.634 ug/L	98
15) Methyl Acetate	4.69	43	5711m	2.417 ug/L	
16) Methylene chloride	4.92	84	22338	2.717 ug/L	97
17) Methyl tert-butyl Ether	5.44	73	20782	2.422 ug/L #	72
18) trans-1,2-Dichloroethene	5.43	96	19068	2.360 ug/L	97
19) 1,1-Dichloroethane	6.23	63	28939	2.329 ug/L	94
21) 2-Butanone	7.20	43	8272	4.968 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	18826	2.285 ug/L	93
23) Bromochloromethane	7.52	128	8873	2.303 ug/L	97
25) Chloroform	7.68	83	31537	2.354 ug/L	98
27) 1,2-Dichloroethane	8.41	62	18369	2.328 ug/L	96
30) Cyclohexane	7.96	56	24100	2.182 ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	26416	2.323 ug/L	99
32) Carbon tetrachloride	8.07	117	25467	2.319 ug/L	100
34) Benzene	8.33	78	71056	2.485 ug/L	100
35) Trichloroethene	9.10	95	18887	2.344 ug/L	98
36) Methylcyclohexane	9.34	83	30601	2.246 ug/L	99
40) 1,2-Dichloropropane	9.37	63	15770	2.437 ug/L	98
41) Bromodichloromethane	9.65	83	20049	2.218 ug/L	94
42) cis-1,3-Dichloropropene	10.08	75	21938	2.137 ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	16252	5.090 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.39	91	73217	2.308	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	17765	2.063	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	13343	2.552	ug/L	99
47) Tetrachloroethene	10.87	164	18108	2.422	ug/L	92
49) 2-Hexanone	10.98	43	9383	4.477	ug/L	96
50) Dibromochloromethane	11.13	129	14506	2.244	ug/L	95
51) 1,2-Dibromoethane	11.24	107	11758	2.310	ug/L #	98
52) Chlorobenzene	11.66	112	51235	2.416	ug/L	99
53) Ethylbenzene	11.73	91	80667	2.262	ug/L	100
54) m,p-Xylene	11.84	106	31450	2.269	ug/L	99
55) o-xylene	12.17	106	28184	2.151	ug/L	96
56) Styrene	12.18	104	45561	2.088	ug/L	96
57) Isopropylbenzene	12.47	105	78600	2.175	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	13903	2.430	ug/L	92
59) 1,2,3-Trichloropropane	12.77	75	10357	2.500	ug/L	98
62) Bromoform	12.35	173	8196	2.292	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	38700	2.384	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	39526	2.429	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	34796	2.396	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1819	2.114	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	27447	2.276	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	18969	1.933	ug/L	97
69) Naphthalene	15.37	128	27810	1.733	ug/L	97
70) 1,2,3-Trichlorobenzene	15.56	180	17358	2.065	ug/L	97

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

