

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016961.D
 Acq On : 22 Oct 2020 10:28
 Operator : SY/VA
 Sample : VSTD00504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:05 PM

Quant Time: Oct 22 12:17:33 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	534230	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	484380	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237315	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	36624	6.90	ug/L	0.00
7) Chloroethane-d5	2.90	69	27449	6.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	67587	6.04	ug/L	0.00
20) 2-Butanone-d5	7.09	46	12172	10.39	ug/L	0.00
24) Chloroform-d	7.65	84	70048	6.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33425	6.17	ug/L	0.00
29) Benzene-d6	8.28	84	143643	6.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	38008	6.38	ug/L	0.00
37) Toluene-d8	10.33	98	132132	6.34	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	14925	5.74	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	9062	10.08	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28328	5.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	45882	6.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	30616	4.850	ug/L 98
3) Chloromethane	2.21	50	25694	4.653	ug/L 97
5) Vinyl chloride	2.37	62	39041	5.301	ug/L 99
6) Bromomethane	2.78	94	26332	4.912	ug/L 98
8) Chloroethane	2.93	64	21846	4.851	ug/L 96
9) Trichlorofluoromethane	3.26	101	28686	5.000	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	37391	5.169	ug/L 98
12) 1,1-Dichloroethene	4.04	96	35147	5.078	ug/L 91
13) Acetone	4.15	43	7920	8.946	ug/L 74
14) Carbon disulfide	4.39	76	103322	5.164	ug/L 100
15) Methyl Acetate	4.68	43	10237m	4.821	ug/L
16) Methylene chloride	4.92	84	36419	4.931	ug/L 92
17) Methyl tert-butyl Ether	5.43	73	37015	4.801	ug/L # 94
18) trans-1,2-Dichloroethene	5.43	96	36132	4.978	ug/L 94
19) 1,1-Dichloroethane	6.22	63	56484	5.058	ug/L 99
21) 2-Butanone	7.18	43	12605	8.425	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	36761	4.965	ug/L 98
23) Bromochloromethane	7.52	128	17076	4.933	ug/L 95
25) Chloroform	7.68	83	59717	4.960	ug/L 100
27) 1,2-Dichloroethane	8.40	62	33993	4.794	ug/L # 94
30) Cyclohexane	7.96	56	48775	4.840	ug/L 98
31) 1,1,1-Trichloroethane	7.88	97	52518	5.062	ug/L 99
32) Carbon tetrachloride	8.07	117	50430	5.034	ug/L 98
34) Benzene	8.33	78	135022	5.176	ug/L 100
35) Trichloroethene	9.09	95	37205	5.061	ug/L 99
36) Methylcyclohexane	9.34	83	60581	4.874	ug/L 98
40) 1,2-Dichloropropane	9.37	63	29790	5.046	ug/L 99
41) Bromodichloromethane	9.65	83	39564	4.797	ug/L 97
42) cis-1,3-Dichloropropene	10.08	75	43293	4.622	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	25654	8.807	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	145199	5.016	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	35312	4.495	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	23243	4.872	ug/L	95
47) Tetrachloroethene	10.87	164	35067	5.140	ug/L	93
49) 2-Hexanone	10.98	43	15873	8.302	ug/L	98
50) Dibromochloromethane	11.13	129	26888	4.558	ug/L	96
51) 1,2-Dibromoethane	11.24	107	22792	4.907	ug/L	96
52) Chlorobenzene	11.66	112	96426	4.984	ug/L	98
53) Ethylbenzene	11.73	91	160272	4.927	ug/L	98
54) m,p-Xylene	11.84	106	61590	4.871	ug/L	99
55) o-xylene	12.17	106	57575	4.816	ug/L	98
56) Styrene	12.18	104	95540	4.799	ug/L	99
57) Isopropylbenzene	12.47	105	158241	4.798	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	24941	4.778	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	17633	4.665	ug/L	98
62) Bromoform	12.35	173	15077	4.518	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	76584	5.056	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	77652	5.114	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	66637	4.918	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	3337	4.157	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	55061	4.893	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	37873	4.135	ug/L	96
69) Naphthalene	15.36	128	57233	3.824	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	35422	4.517	ug/L	97

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

