

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016322.D
 Acq On : 24 Aug 2020 11:01
 Operator : SY/VA
 Sample : VSTD00503
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00503

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 12:55:19 PM

Quant Time: Aug 24 12:45:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 24 12:35:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	300220	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	277876	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	133102	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	18250	5.01	ug/L	0.00
7) Chloroethane-d5	2.89	69	13587	4.92	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	39372	5.00	ug/L	0.00
20) 2-Butanone-d5	7.08	46	8688	8.94	ug/L	0.00
24) Chloroform-d	7.65	84	39524	4.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	20369	4.76	ug/L	0.00
29) Benzene-d6	8.28	84	78266	5.11	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21547	4.84	ug/L	0.00
37) Toluene-d8	10.32	98	73158	5.19	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	9768	4.77	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6743	8.93	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	17119	4.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	24855	5.09	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	16486m	5.463	ug/L
3) Chloromethane	2.21	50	13114	4.511	ug/L
5) Vinyl chloride	2.37	62	17949	4.651	ug/L
6) Bromomethane	2.78	94	11834	4.843	ug/L
8) Chloroethane	2.93	64	9881	4.533	ug/L
9) Trichlorofluoromethane	3.26	101	17348	5.742	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	20639m	5.079	ug/L
12) 1,1-Dichloroethene	4.04	96	19369	5.023	ug/L
13) Acetone	4.14	43	7506	10.021	ug/L
14) Carbon disulfide	4.38	76	60114	5.063	ug/L
15) Methyl Acetate	4.68	43	7259m	4.231	ug/L
16) Methylene chloride	4.92	84	31882	6.724	ug/L
17) Methyl tert-butyl Ether	5.43	73	27846m	5.042	ug/L
18) trans-1,2-Dichloroethene	5.43	96	21136	5.238	ug/L
19) 1,1-Dichloroethane	6.22	63	34050	4.811	ug/L
21) 2-Butanone	7.18	43	9623	8.252	ug/L
22) cis-1,2-Dichloroethene	7.17	96	21619	5.051	ug/L
23) Bromochloromethane	7.51	128	9755	4.949	ug/L
25) Chloroform	7.68	83	36512	4.826	ug/L
27) 1,2-Dichloroethane	8.40	62	23111	4.639	ug/L
30) Cyclohexane	7.96	56	28921	4.840	ug/L
31) 1,1,1-Trichloroethane	7.87	97	32919	5.136	ug/L
32) Carbon tetrachloride	8.07	117	31333	5.171	ug/L
34) Benzene	8.32	78	79056	4.969	ug/L
35) Trichloroethene	9.09	95	22615	5.232	ug/L
36) Methylcyclohexane	9.34	83	35793	5.050	ug/L
40) 1,2-Dichloropropane	9.37	63	18679	4.831	ug/L
41) Bromodichloromethane	9.65	83	25200	4.678	ug/L
42) cis-1,3-Dichloropropene	10.08	75	28461	4.745	ug/L
43) 4-Methyl-2-pentanone	10.21	43	20987	8.991	ug/L

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

44) Toluene	10.39	91	86412	5.123	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	25399	4.712	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	15263	4.923	ug/L	93
47) Tetrachloroethene	10.87	164	18143	5.535	ug/L	92
49) 2-Hexanone	10.97	43	12957	8.295	ug/L	97
50) Dibromochloromethane	11.13	129	18337	4.954	ug/L	99
51) 1,2-Dibromoethane	11.24	107	14578	4.936	ug/L	99
52) Chlorobenzene	11.66	112	58003	5.162	ug/L	97
53) Ethylbenzene	11.73	91	97796	5.098	ug/L	97
54) m,p-Xylene	11.84	106	36628	5.047	ug/L	91
55) o-xylene	12.17	106	34361	5.048	ug/L	97
56) Styrene	12.18	104	58839	5.004	ug/L	97
57) Isopropylbenzene	12.47	105	97248	5.265	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	17860	4.932	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	13184	4.827	ug/L	99
62) Bromoform	12.35	173	10285	5.028	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	44053	5.211	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	45813	5.286	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	39358	5.092	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	2865	4.249	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	30401	5.543	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	22432	5.023	ug/L	99
69) Naphthalene	15.37	128	38907	4.177	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	20371	5.089	ug/L	94

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

