

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062119\
 Data File : VW010912.D
 Acq On : 22 Jun 2019 00:17
 Operator : SY/VA
 Sample : VSTD00507
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00507

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 12:59:15 AM

Quant Time: Jun 22 05:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 05:32:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	355646	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	329265	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160294	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	21114	4.17	ug/L	0.00
7) Chloroethane-d5	2.88	69	16328	4.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	47616	4.46	ug/L	0.00
20) 2-Butanone-d5	7.08	46	21696	10.09	ug/L	0.00
24) Chloroform-d	7.65	84	46772	6.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	30547	5.04	ug/L	0.00
29) Benzene-d6	8.27	84	95734	4.86	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	32838	5.16	ug/L	0.00
37) Toluene-d8	10.32	98	85154	4.81	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	12123	4.29	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	14531	9.56	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26643	4.91	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	30728	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	20356m	3.689	ug/L
3) Chloromethane	2.21	50	24344	3.957	ug/L
5) Vinyl chloride	2.36	62	25682	4.401	ug/L
6) Bromomethane	2.76	94	14983	5.526	ug/L
8) Chloroethane	2.92	64	14504	4.293	ug/L
9) Trichlorofluoromethane	3.25	101	6620	1.016	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	21952	4.805	ug/L
12) 1,1-Dichloroethene	4.04	96	21157	4.961	ug/L
13) Acetone	4.12	43	18592	8.779	ug/L
14) Carbon disulfide	4.39	76	54985	4.373	ug/L
15) Methyl Acetate	4.67	43	17164	4.690	ug/L
16) Methylene chloride	4.92	84	28461	5.636	ug/L
17) Methyl tert-butyl Ether	5.43	73	37046	2.928	ug/L
18) trans-1,2-Dichloroethene	5.42	96	23209	4.930	ug/L
19) 1,1-Dichloroethane	6.21	63	47337	4.852	ug/L
21) 2-Butanone	7.17	43	27474	9.124	ug/L
22) cis-1,2-Dichloroethene	7.17	96	25578	4.807	ug/L
23) Bromochloromethane	7.51	128	11245	5.075	ug/L
25) Chloroform	7.67	83	45784	4.209	ug/L
27) 1,2-Dichloroethane	8.40	62	36046	4.969	ug/L
30) Cyclohexane	7.95	56	45383	4.571	ug/L
31) 1,1,1-Trichloroethane	7.87	97	30281	3.971	ug/L
32) Carbon tetrachloride	8.07	117	27000	4.168	ug/L
34) Benzene	8.32	78	101207	4.921	ug/L
35) Trichloroethene	9.09	95	24895	4.742	ug/L
36) Methylcyclohexane	9.34	83	43036	4.619	ug/L
40) 1,2-Dichloropropane	9.37	63	28336	4.949	ug/L
41) Bromodichloromethane	9.64	83	30852	4.601	ug/L
42) cis-1,3-Dichloropropene	10.07	75	38473	4.398	ug/L
43) 4-Methyl-2-pentanone	10.21	43	49134	8.850	ug/L

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

44) Toluene	10.39	91	104212	4.837	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	30920	4.211	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	19630	4.818	ug/L	97
47) Tetrachloroethene	10.86	164	18644	4.760	ug/L	96
49) 2-Hexanone	10.97	43	35565	8.817	ug/L	98
50) Dibromochloromethane	11.13	129	19003	4.235	ug/L	95
51) 1,2-Dibromoethane	11.23	107	18313	4.649	ug/L	98
52) Chlorobenzene	11.66	112	64518	4.836	ug/L	99
53) Ethylbenzene	11.73	91	116394	4.750	ug/L	100
54) m,p-Xylene	11.84	106	42102	4.748	ug/L	91
55) o-xylene	12.16	106	40919	4.760	ug/L	97
56) Styrene	12.18	104	70013	4.680	ug/L	100
57) Isopropylbenzene	12.46	105	107712	4.610	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	24821	4.548	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	20188	4.684	ug/L	100
62) Bromoform	12.35	173	10309	3.846	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	49231	4.773	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	50447	4.809	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	47160	4.854	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4008	3.907	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	37606	4.798	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	32684	4.992	ug/L	99
69) Naphthalene	15.37	128	66757	4.749	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	30372	5.123	ug/L	99

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

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