

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050719\
 Data File : VW010291.D
 Acq On : 07 May 2019 10:21
 Operator : SY/VA
 Sample : VSTD2.507
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 6:02:18 PM

Quant Time: May 08 01:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:48:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	542332	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	500404	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222497	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	16467	2.61	ug/L	0.00
7) Chloroethane-d5	2.90	69	14143m	2.66	ug/L	0.01
10) 1,1-Dichloroethene-d2	4.01	63	43115	2.74	ug/L	0.00
20) 2-Butanone-d5	7.08	46	12434m	4.25	ug/L	0.00
24) Chloroform-d	7.65	84	38154	2.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	22928	2.68	ug/L	0.00
29) Benzene-d6	8.27	84	70454	2.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21577	2.60	ug/L	0.00
37) Toluene-d8	10.32	98	60521	2.50	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	9093	2.39	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6896	3.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	19109	2.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	19767	2.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	20312m	2.715	ug/L
3) Chloromethane	2.21	50	18870	2.700	ug/L
5) Vinyl chloride	2.37	62	21031	2.571	ug/L
6) Bromomethane	2.78	94	14274	2.887	ug/L
8) Chloroethane	2.92	64	13396m	2.700	ug/L
9) Trichlorofluoromethane	3.26	101	14622	2.769	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	20321m	2.713	ug/L
12) 1,1-Dichloroethene	4.03	96	19736	2.681	ug/L
13) Acetone	4.12	43	14049	5.612	ug/L
14) Carbon disulfide	4.38	76	60040	2.665	ug/L #
15) Methyl Acetate	4.67	43	13273	2.471	ug/L
16) Methylene chloride	4.91	84	20233	2.687	ug/L
17) Methyl tert-butyl Ether	5.43	73	22478	2.329	ug/L #
18) trans-1,2-Dichloroethene	5.42	96	20070	2.643	ug/L
19) 1,1-Dichloroethane	6.21	63	38584	2.650	ug/L
21) 2-Butanone	7.18	43	14583	4.072	ug/L
22) cis-1,2-Dichloroethene	7.16	96	19483	2.484	ug/L
23) Bromochloromethane	7.51	128	9326	2.650	ug/L
25) Chloroform	7.67	83	37770	2.627	ug/L
27) 1,2-Dichloroethane	8.40	62	27383	2.595	ug/L
30) Cyclohexane	7.96	56	28227	2.182	ug/L
31) 1,1,1-Trichloroethane	7.87	97	30538	2.680	ug/L
32) Carbon tetrachloride	8.07	117	29176	2.576	ug/L
34) Benzene	8.32	78	76725	2.498	ug/L
35) Trichloroethene	9.09	95	21108	2.601	ug/L
36) Methylcyclohexane	9.34	83	31058	2.266	ug/L
40) 1,2-Dichloropropane	9.37	63	20169	2.573	ug/L #
41) Bromodichloromethane	9.65	83	25303	2.495	ug/L
42) cis-1,3-Dichloropropene	10.07	75	26983	2.301	ug/L
43) 4-Methyl-2-pentanone	10.21	43	29273	4.193	ug/L

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

44) Toluene	10.39	91	76541	2.379	ug/L	93
45) trans-1,3-Dichloropropene	10.60	75	22717	2.246	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	15018	2.565	ug/L	97
47) Tetrachloroethene	10.86	164	15496	2.525	ug/L	89
49) 2-Hexanone	10.97	43	20999	3.966	ug/L	95
50) Dibromochloromethane	11.13	129	16111	2.392	ug/L	100
51) 1,2-Dibromoethane	11.24	107	14265	2.474	ug/L	96
52) Chlorobenzene	11.66	112	51192	2.548	ug/L	95
53) Ethylbenzene	11.73	91	82494	2.298	ug/L	100
54) m,p-Xylene	11.84	106	28770	2.203	ug/L	94
55) o-xylene	12.16	106	26327	2.165	ug/L	94
56) Styrene	12.18	104	44224	2.108	ug/L	95
57) Isopropylbenzene	12.47	105	70136	2.099	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	19579	2.433	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	15130	2.450	ug/L	94
62) Bromoform	12.35	173	9426	2.463	ug/L #	94
63) 1,3-Dichlorobenzene	13.50	146	32664	2.466	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	37982	2.647	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	32397	2.542	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	3916	2.578	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	23819	2.400	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	17376	2.213	ug/L	98
69) Naphthalene	15.37	128	33566	1.895	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	17376	2.303	ug/L	97

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

