

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010107.D
 Acq On : 24 Apr 2019 10:28
 Operator : SY/VA
 Sample : VSTD00514
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00514

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:51:15 PM

Quant Time: Apr 24 11:40:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 24 11:30:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	866606	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	789772	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	372210	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38560	4.71	ug/L	0.00
7) Chloroethane-d5	2.89	69	30687	3.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	118412	5.21	ug/L	0.00
20) 2-Butanone-d5	7.08	46	36364	8.21	ug/L	0.00
24) Chloroform-d	7.64	84	111007	4.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	65974	4.24	ug/L	0.00
29) Benzene-d6	8.27	84	222252	5.12	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	69811	5.05	ug/L	0.00
37) Toluene-d8	10.32	98	195936	4.95	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	30203	4.61	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	25360	8.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	57427	4.44	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	68777	4.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	52602m	4.326	ug/L
3) Chloromethane	2.21	50	40371	3.643	ug/L
5) Vinyl chloride	2.37	62	49647	4.762	ug/L
6) Bromomethane	2.78	94	29145	3.786	ug/L
8) Chloroethane	2.93	64	29422	3.931	ug/L
9) Trichlorofluoromethane	3.24	101	25039	2.917	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	54894	4.912	ug/L
12) 1,1-Dichloroethene	4.04	96	55209	5.277	ug/L
13) Acetone	4.12	43	32691	8.298	ug/L
14) Carbon disulfide	4.37	76	148203	4.997	ug/L
15) Methyl Acetate	4.67	43	34754	4.371	ug/L
16) Methylene chloride	4.92	84	62916	4.010	ug/L
17) Methyl tert-butyl Ether	5.42	73	74869	4.890	ug/L
18) trans-1,2-Dichloroethene	5.42	96	57373	4.845	ug/L
19) 1,1-Dichloroethane	6.21	63	111311	4.716	ug/L
21) 2-Butanone	7.17	43	43275	8.389	ug/L
22) cis-1,2-Dichloroethene	7.16	96	61717	4.803	ug/L
23) Bromochloromethane	7.51	128	27588	4.610	ug/L
25) Chloroform	7.68	83	109960	4.553	ug/L
27) 1,2-Dichloroethane	8.40	62	82214	4.422	ug/L
30) Cyclohexane	7.95	56	95727	5.363	ug/L
31) 1,1,1-Trichloroethane	7.87	97	86018	5.215	ug/L
32) Carbon tetrachloride	8.07	117	82759	5.110	ug/L
34) Benzene	8.32	78	241127	5.183	ug/L
35) Trichloroethene	9.09	95	63359	5.238	ug/L
36) Methylcyclohexane	9.33	83	102278	5.262	ug/L
40) 1,2-Dichloropropane	9.37	63	62373	5.069	ug/L
41) Bromodichloromethane	9.64	83	78228	4.657	ug/L
42) cis-1,3-Dichloropropene	10.07	75	90888	4.791	ug/L
43) 4-Methyl-2-pentanone	10.21	43	91760	9.055	ug/L

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

44) Toluene	10.38	91	254565	5.158	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	78076	4.661	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	45254	4.716	ug/L	95
47) Tetrachloroethene	10.86	164	49543	5.243	ug/L	99
49) 2-Hexanone	10.97	43	64569	8.969	ug/L	98
50) Dibromochloromethane	11.13	129	52028	4.568	ug/L	93
51) 1,2-Dibromoethane	11.24	107	43428	4.623	ug/L	95
52) Chlorobenzene	11.66	112	158250	4.914	ug/L	99
53) Ethylbenzene	11.73	91	279494	5.066	ug/L	99
54) m,p-Xylene	11.84	106	101952	5.052	ug/L	96
55) o-xylene	12.17	106	95844	4.952	ug/L	95
56) Styrene	12.18	104	163539	4.827	ug/L	98
57) Isopropylbenzene	12.46	105	265384	5.148	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	57756	4.575	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	42985	4.550	ug/L	99
62) Bromoform	12.35	173	29494	4.512	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	117899	5.243	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	124992	5.172	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	110378	5.002	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	10261	4.595	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	87023	5.283	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	69021	5.115	ug/L	99
69) Naphthalene	15.38	128	171827	5.933	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	66016	5.127	ug/L	99

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

