

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031419\
 Data File : VW009168.D
 Acq On : 14 Mar 2019 14:15
 Operator : SY/VA
 Sample : VSTD2.501
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 12:29:50 PM

Quant Time: Mar 14 15:59:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 14 15:38:00 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	478065	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	453865	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228079	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	12604	1.69	ug/L	0.00
7) Chloroethane-d5	2.89	69	19082	2.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	31800	2.57	ug/L	0.00
20) 2-Butanone-d5	7.07	46	13532	6.10	ug/L	0.00
24) Chloroform-d	7.64	84	37072	3.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	22394	3.28	ug/L	0.00
29) Benzene-d6	8.27	84	70707	3.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21025	3.29	ug/L	0.00
37) Toluene-d8	10.32	98	61943	2.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	9611	3.00	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	9425	5.42	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	20964	3.27	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	24145	2.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	15074	1.641 ug/L	98
3) Chloromethane	2.21	50	15304	1.612 ug/L	86
5) Vinyl chloride	2.37	62	11612m	1.193 ug/L	
6) Bromomethane	2.78	94	13143	2.037 ug/L	95
8) Chloroethane	2.93	64	13667m	2.097 ug/L	
9) Trichlorofluoromethane	3.26	101	12588m	1.082 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	16095m	2.342 ug/L	
12) 1,1-Dichloroethene	4.03	96	13653m	2.290 ug/L	
13) Acetone	4.12	43	12417	5.902 ug/L	96
14) Carbon disulfide	4.37	76	29251	1.420 ug/L #	86
15) Methyl Acetate	4.67	43	10476	2.496 ug/L #	74
16) Methylene chloride	4.91	84	22048	2.852 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	20447	1.219 ug/L #	90
18) trans-1,2-Dichloroethene	5.41	96	14962	2.279 ug/L	87
19) 1,1-Dichloroethane	6.21	63	27476	2.465 ug/L	95
21) 2-Butanone	7.17	43	14207m	4.826 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	15627	2.219 ug/L	98
23) Bromochloromethane	7.51	128	7937	2.463 ug/L #	90
25) Chloroform	7.67	83	28551	2.433 ug/L	99
27) 1,2-Dichloroethane	8.40	62	21824	2.557 ug/L	96
30) Cyclohexane	7.95	56	23057	2.158 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	22103	2.109 ug/L	96
32) Carbon tetrachloride	8.06	117	21428	2.238 ug/L	98
34) Benzene	8.32	78	57753	2.346 ug/L	100
35) Trichloroethene	9.09	95	15511	2.334 ug/L	97
36) Methylcyclohexane	9.33	83	26470	2.245 ug/L	97
40) 1,2-Dichloropropane	9.37	63	15118	2.486 ug/L #	95
41) Bromodichloromethane	9.64	83	20195	2.442 ug/L #	98
42) cis-1,3-Dichloropropene	10.07	75	23461	2.378 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	29977	5.457 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	62924	2.223	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	20039	2.275	ug/L	87
46) 1,1,2-Trichloroethane	10.79	97	13117	2.579	ug/L	89
47) Tetrachloroethene	10.85	164	13981	2.311	ug/L	86
49) 2-Hexanone	10.97	43	18151	4.213	ug/L	98
50) Dibromochloromethane	11.13	129	14759	2.394	ug/L	98
51) 1,2-Dibromoethane	11.24	107	12699	2.469	ug/L	85
52) Chlorobenzene	11.66	112	40561	2.129	ug/L	98
53) Ethylbenzene	11.73	91	67203	2.043	ug/L	100
54) m,p-Xylene	11.84	106	26109	2.019	ug/L	94
55) o-xylene	12.17	106	24983	2.008	ug/L	94
56) Styrene	12.18	104	39709	1.903	ug/L	97
57) Isopropylbenzene	12.46	105	63040	1.899	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	17241	2.527	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	12810	2.539	ug/L	96
62) Bromoform	12.35	173	9077	2.571	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	31515	2.117	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	33433	2.211	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	30365	2.202	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.49	75	3612	2.950	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	25550	2.180	ug/L	95
68) 1,2,4-trichlorobenzene	15.14	180	20496	2.030	ug/L	98
69) Naphthalene	15.37	128	40449	1.946	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	19818	2.136	ug/L	97

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

