

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031419\
 Data File : VW009169.D
 Acq On : 14 Mar 2019 14:40
 Operator : SY/VA
 Sample : VSTD00502
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 12:29:56 PM

Quant Time: Mar 14 15:48:40 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	483919	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	455690	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	231649	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	28825	3.83	ug/L	0.00
7) Chloroethane-d5	2.89	69	36876	5.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	63625	5.08	ug/L	0.00
20) 2-Butanone-d5	7.08	46	23055	10.27	ug/L	0.01
24) Chloroform-d	7.65	84	66757	5.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	40965	5.93	ug/L	0.00
29) Benzene-d6	8.27	84	127962	5.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	38043	5.94	ug/L	0.00
37) Toluene-d8	10.32	98	117267	5.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	18693	5.82	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	16283	9.33	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	36065	5.60	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	45648	5.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	30375	3.268 ug/L	93
3) Chloromethane	2.22	50	32783	3.412 ug/L	95
5) Vinyl chloride	2.37	62	33081	3.358 ug/L	96
6) Bromomethane	2.78	94	29286	4.483 ug/L	97
8) Chloroethane	2.93	64	28905	4.382 ug/L	99
9) Trichlorofluoromethane	3.26	101	25696	2.181 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	32901m	4.729 ug/L	
12) 1,1-Dichloroethene	4.03	96	29984	4.967 ug/L	86
13) Acetone	4.11	43	17929	8.418 ug/L	96
14) Carbon disulfide	4.37	76	76868	3.685 ug/L	96
15) Methyl Acetate	4.67	43	19413	4.570 ug/L	94
16) Methylene chloride	4.91	84	39308	5.023 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	42683	2.514 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	32125	4.834 ug/L	99
19) 1,1-Dichloroethane	6.21	63	58864	5.217 ug/L	98
21) 2-Butanone	7.17	43	25374	8.515 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	34890	4.895 ug/L	92
23) Bromochloromethane	7.51	128	17504	5.367 ug/L	91
25) Chloroform	7.66	83	61974	5.218 ug/L	100
27) 1,2-Dichloroethane	8.40	62	45821m	5.304 ug/L	
30) Cyclohexane	7.96	56	49579	4.622 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	47142	4.481 ug/L	98
32) Carbon tetrachloride	8.06	117	46248	4.810 ug/L	99
34) Benzene	8.32	78	127449	5.155 ug/L	100
35) Trichloroethene	9.09	95	34808	5.217 ug/L	98
36) Methylcyclohexane	9.34	83	55949	4.725 ug/L	95
40) 1,2-Dichloropropane	9.37	63	33880	5.548 ug/L	98
41) Bromodichloromethane	9.64	83	45520	5.482 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	51120	5.161 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	55929	10.141 ug/L	99

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

44) Toluene	10.38	91	138817	4.884	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	44690	5.052	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	25373	4.969	ug/L	96
47) Tetrachloroethene	10.86	164	28596	4.708	ug/L	93
49) 2-Hexanone	10.97	43	36686	8.481	ug/L	98
50) Dibromochloromethane	11.13	129	30587	4.942	ug/L	92
51) 1,2-Dibromoethane	11.23	107	26097	5.053	ug/L #	100
52) Chlorobenzene	11.66	112	90373	4.725	ug/L	96
53) Ethylbenzene	11.73	91	152549	4.620	ug/L	97
54) m,p-Xylene	11.84	106	57543	4.431	ug/L	92
55) o-xylene	12.16	106	55337	4.430	ug/L	96
56) Styrene	12.18	104	91661	4.375	ug/L	99
57) Isopropylbenzene	12.47	105	147670	4.431	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	34521	5.040	ug/L	89
59) 1,2,3-Trichloropropane	12.77	75	26019	5.137	ug/L	98
62) Bromoform	12.35	173	18177	5.068	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	69909	4.624	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	74793	4.869	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	68116	4.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	6187	4.976	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.63	180	56140	4.716	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	45386	4.426	ug/L	99
69) Naphthalene	15.37	128	85536	4.052	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	43235	4.589	ug/L	99

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

