

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111119\
 Data File : VW013955.D
 Acq On : 11 Nov 2019 10:52
 Operator : SY/VA
 Sample : VSTD2.506
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 4:18:31 PM

Quant Time: Nov 11 12:21:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 11 12:14:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	343055	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	321306	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181666	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	13102	2.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	10933	2.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	27541	2.53	ug/L	0.00
20) 2-Butanone-d5	7.07	46	7867	4.10	ug/L	0.00
24) Chloroform-d	7.64	84	26825	2.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14012	2.41	ug/L	0.00
29) Benzene-d6	8.27	84	58482	2.72	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	17160	2.63	ug/L	0.00
37) Toluene-d8	10.32	98	54910	2.69	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6941	2.33	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	5499	3.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12509	2.17	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	19653	2.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	9245	2.507 ug/L	96
3) Chloromethane	2.21	50	9118	2.156 ug/L	86
5) Vinyl chloride	2.36	62	13003	2.153 ug/L	98
6) Bromomethane	2.78	94	8509	2.240 ug/L	100
8) Chloroethane	2.92	64	7658	2.233 ug/L #	80
9) Trichlorofluoromethane	3.26	101	9114	2.962 ug/L	94
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13280	2.249 ug/L	95
12) 1,1-Dichloroethene	4.04	96	13276m	2.242 ug/L	
13) Acetone	4.12	43	10068	5.382 ug/L	97
14) Carbon disulfide	4.38	76	36039	2.130 ug/L	98
15) Methyl Acetate	4.67	43	5798	1.790 ug/L	95
16) Methylene chloride	4.90	84	20996m	3.273 ug/L	
17) Methyl tert-butyl Ether	5.43	73	17922	2.393 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	14012	2.271 ug/L	98
19) 1,1-Dichloroethane	6.22	63	23441	2.238 ug/L	98
21) 2-Butanone	7.16	43	10994m	4.281 ug/L	
22) cis-1,2-Dichloroethene	7.16	96	14296	2.203 ug/L	100
23) Bromochloromethane	7.51	128	6389	2.094 ug/L	97
25) Chloroform	7.67	83	23531	2.234 ug/L	96
27) 1,2-Dichloroethane	8.40	62	14214	2.040 ug/L	99
30) Cyclohexane	7.96	56	22750	2.346 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	18938	2.407 ug/L #	73
32) Carbon tetrachloride	8.06	117	17825	2.317 ug/L	98
34) Benzene	8.32	78	54464	2.335 ug/L	100
35) Trichloroethene	9.09	95	14932	2.428 ug/L	95
36) Methylcyclohexane	9.33	83	25770	2.388 ug/L	99
40) 1,2-Dichloropropane	9.37	63	13177	2.301 ug/L	99
41) Bromodichloromethane	9.64	83	15128	2.102 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	19566	2.168 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	16514	3.750 ug/L	96

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

44) Toluene	10.38	91	59953	2.392	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	15666	2.101	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	9881	2.161	ug/L	92
47) Tetrachloroethene	10.86	164	12942	2.286	ug/L	93
49) 2-Hexanone	10.96	43	11338	3.505	ug/L	97
50) Dibromochloromethane	11.13	129	10285	1.938	ug/L	96
51) 1,2-Dibromoethane	11.23	107	9355	2.070	ug/L	94
52) Chlorobenzene	11.66	112	37239	2.304	ug/L	94
53) Ethylbenzene	11.73	91	65104	2.333	ug/L	99
54) m,p-Xylene	11.83	106	25632	2.384	ug/L	98
55) o-xylene	12.16	106	22924	2.255	ug/L	100
56) Styrene	12.18	104	36777	2.097	ug/L	97
57) Isopropylbenzene	12.46	105	63094	2.302	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	10293	1.788	ug/L	91
59) 1,2,3-Trichloropropane	12.77	75	8393	1.941	ug/L #	83
62) Bromoform	12.35	173	6711	2.032	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	30165	2.398	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	30326	2.405	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	25977	2.284	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1675	1.838	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	21941	2.316	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16325	2.128	ug/L	98
69) Naphthalene	15.36	128	27967	1.922	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	14470	2.047	ug/L	94

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

