

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111418\
 Data File : VW006874.D
 Acq On : 14 Nov 2018 13:47
 Operator : SY/AP
 Sample : VSTD00582
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:03:30 PM

Quant Time: Nov 14 14:48:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 14 14:39:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	145326	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	138323	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	69059	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	5480	3.34	ug/L	0.00
7) Chloroethane-d5	2.89	69	4219	2.99	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	16442	5.22	ug/L	0.00
20) 2-Butanone-d5	7.09	46	8477	15.60	ug/L	0.00
24) Chloroform-d	7.65	84	16660	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	10317	5.92	ug/L	0.00
29) Benzene-d6	8.28	84	36647	5.84	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	11803	6.23	ug/L	0.00
37) Toluene-d8	10.33	98	36884	5.87	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5138	5.58	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6160	13.45	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	11099	6.02	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	13597	5.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	11326	8.246	ug/L 98
3) Chloromethane	2.21	50	8511	6.310	ug/L 97
5) Vinyl chloride	2.35	62	8511	3.915	ug/L 94
6) Bromomethane	2.78	94	3529	2.085	ug/L 98
8) Chloroethane	2.92	64	4756	3.569	ug/L 90
9) Trichlorofluoromethane	3.26	101	14767	8.490	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10631m	6.114	ug/L
12) 1,1-Dichloroethene	4.04	96	8805	5.277	ug/L 88
13) Acetone	4.15	43	5224	9.518	ug/L 95
14) Carbon disulfide	4.39	76	30004	5.501	ug/L 99
15) Methyl Acetate	4.68	43	6697m	7.534	ug/L
16) Methylene chloride	4.92	84	16720	8.911	ug/L 92
17) Methyl tert-butyl Ether	5.43	73	26808	9.870	ug/L # 89
18) trans-1,2-Dichloroethene	5.43	96	10181	5.511	ug/L 86
19) 1,1-Dichloroethane	6.23	63	16763	5.608	ug/L 95
21) 2-Butanone	7.19	43	9436	12.939	ug/L 99
22) cis-1,2-Dichloroethene	7.18	96	10589	5.255	ug/L 91
23) Bromochloromethane	7.52	128	4289	4.525	ug/L 89
25) Chloroform	7.68	83	17353	5.393	ug/L 99
27) 1,2-Dichloroethane	8.40	62	12208	5.566	ug/L # 91
30) Cyclohexane	7.95	56	19329	6.358	ug/L 99
31) 1,1,1-Trichloroethane	7.88	97	16290	5.628	ug/L 99
32) Carbon tetrachloride	8.07	117	14150	4.985	ug/L 100
34) Benzene	8.33	78	40853	5.753	ug/L 100
35) Trichloroethene	9.09	95	11278	5.645	ug/L 99
36) Methylcyclohexane	9.34	83	20656	5.643	ug/L 97
40) 1,2-Dichloropropane	9.37	63	10521	5.973	ug/L 98
41) Bromodichloromethane	9.65	83	12519	5.263	ug/L # 93
42) cis-1,3-Dichloropropene	10.08	75	15659	5.443	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	17295	12.253	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	45654	5.726	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	13266	5.279	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	8717	5.943	ug/L	95
47) Tetrachloroethene	10.87	164	8150	4.407	ug/L	91
49) 2-Hexanone	10.98	43	12569	12.083	ug/L	98
50) Dibromochloromethane	11.13	129	8720	4.638	ug/L	95
51) 1,2-Dibromoethane	11.24	107	7854	5.144	ug/L	92
52) Chlorobenzene	11.66	112	28889	5.354	ug/L	98
53) Ethylbenzene	11.74	91	55792	6.011	ug/L	95
54) m,p-Xylene	11.85	106	21362	5.871	ug/L	95
55) o-xylene	12.17	106	19654	5.657	ug/L	99
56) Styrene	12.19	104	32548	5.440	ug/L	95
57) Isopropylbenzene	12.47	105	53738	5.559	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	10847	5.690	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	8472	5.957	ug/L	97
62) Bromoform	12.35	173	4296	3.713	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	23526	5.547	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	23147	5.420	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	21286	5.456	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1983	6.315	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	14988	4.384	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	12857	4.411	ug/L	99
69) Naphthalene	15.38	128	32410	5.492	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	11596	4.428	ug/L	99

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

