

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071320\
 Data File : VW015838.D
 Acq On : 13 Jul 2020 11:04
 Operator : SY/VA
 Sample : VSTD2.505
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.505

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:41:13 AM

Quant Time: Jul 13 13:08:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071320S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 13 13:00:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	283028	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	119188	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	13436	2.92	ug/L	0.00
7) Chloroethane-d5	2.90	69	12843	3.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	17075	2.19	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3901	4.27	ug/L	0.00
24) Chloroform-d	7.65	84	20354	2.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	11185	2.53	ug/L	0.00
29) Benzene-d6	8.27	84	38111	2.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	10936	2.37	ug/L	0.00
37) Toluene-d8	10.32	98	34934	2.38	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	4355	2.15	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2765	3.80	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	8452	2.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	10859	2.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3717	1.539 ug/L	92
3) Chloromethane	2.21	50	8470	2.909 ug/L	98
5) Vinyl chloride	2.37	62	14062	3.149 ug/L	100
6) Bromomethane	2.78	94	12070	3.716 ug/L	98
8) Chloroethane	2.93	64	9631	3.288 ug/L	97
9) Trichlorofluoromethane	3.26	101	13745	3.855 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	7562	2.285 ug/L #	70
12) 1,1-Dichloroethene	4.04	96	6927	2.169 ug/L	93
13) Acetone	4.12	43	3530m	4.716 ug/L	
14) Carbon disulfide	4.39	76	21883	2.168 ug/L	99
15) Methyl Acetate	4.68	43	3021m	2.194 ug/L	
16) Methylene chloride	4.92	84	10397	2.533 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	10445	2.127 ug/L #	86
18) trans-1,2-Dichloroethene	5.43	96	8625	2.427 ug/L	95
19) 1,1-Dichloroethane	6.22	63	15319	2.410 ug/L	94
21) 2-Butanone	7.18	43	4167m	4.384 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	9252	2.529 ug/L	97
23) Bromochloromethane	7.51	128	3934	2.435 ug/L	95
25) Chloroform	7.68	83	16800	2.584 ug/L	98
27) 1,2-Dichloroethane	8.41	62	11121	2.488 ug/L	99
30) Cyclohexane	7.95	56	12309	2.089 ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	14310	2.472 ug/L	95
32) Carbon tetrachloride	8.07	117	12959	2.455 ug/L	97
34) Benzene	8.33	78	36150	2.463 ug/L	100
35) Trichloroethene	9.10	95	10075	2.558 ug/L	99
36) Methylcyclohexane	9.34	83	15692	2.305 ug/L	95
40) 1,2-Dichloropropane	9.37	63	8582	2.404 ug/L	99
41) Bromodichloromethane	9.65	83	11495	2.466 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	10680	1.926 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	7491	3.773 ug/L	97

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

44) Toluene	10.39	91	38093	2.364	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	9674	2.002	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	6476	2.495	ug/L	92
47) Tetrachloroethene	10.86	164	7461	2.343	ug/L	94
49) 2-Hexanone	10.97	43	5355	3.853	ug/L	93
50) Dibromochloromethane	11.13	129	6994	2.269	ug/L	98
51) 1,2-Dibromoethane	11.24	107	5991	2.370	ug/L #	96
52) Chlorobenzene	11.66	112	25451	2.490	ug/L	96
53) Ethylbenzene	11.73	91	42489	2.333	ug/L	97
54) m,p-Xylene	11.84	106	15428	2.244	ug/L	92
55) o-xylene	12.17	106	14424	2.188	ug/L	92
56) Styrene	12.18	104	22695	2.035	ug/L	93
57) Isopropylbenzene	12.47	105	38534	2.126	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	7253	2.372	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	5424	2.352	ug/L	95
62) Bromoform	12.35	173	3466	2.260	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	16539	2.302	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	18133	2.528	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	15616	2.470	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	982m	2.241	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	11276	2.314	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	7480	1.910	ug/L	99
69) Naphthalene	15.37	128	11669	1.633	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	6855	2.026	ug/L	98

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

