

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
 Data File : VW018369.D
 Acq On : 18 Mar 2021 15:37
 Operator : SY/VA
 Sample : VSTD2.501
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 3:32:59 PM

Quant Time: Mar 18 17:11:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 18 17:06:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	583749	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	529359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	260645	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	20998	3.09	ug/L	0.00
7) Chloroethane-d5	2.891	69	19689	3.54	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.032	63	37875m	2.57	ug/L	0.00
20) 2-Butanone-d5	7.086	46	9397	5.87	ug/L	0.01
24) Chloroform-d	7.653	84	39131	2.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.311	65	23935	2.70	ug/L	0.00
29) Benzene-d6	8.275	84	75482	2.65	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.281	67	21798	2.73	ug/L	0.00
37) Toluene-d8	10.323	98	70721	2.57	ug/L	0.00
38) trans-1,3-Dichloroprop...	10.579	79	10229	2.54	ug/L	0.00
39) 2-Hexanone-d5	10.927	63	8216	5.91	ug/L	0.00
48) 1,1,2,2-Tetrachloroeth...	12.695	84	18709	2.70	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.853	152	24390	2.52	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.014	85	18211	2.35	ug/L	95
3) Chloromethane	2.221	50	22839	3.79	ug/L	99
5) Vinyl chloride	2.367	62	28875	3.26	ug/L	97
6) Bromomethane	2.782	94	21539	3.28	ug/L	95
8) Chloroethane	2.934	64	18918	3.65	ug/L	89
9) Trichlorofluoromethane	3.263	101	14467	2.18	ug/L	98
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	19095	2.33	ug/L	98
12) 1,1-Dichloroethene	4.038	96	19388	2.53	ug/L #	80
13) Acetone	4.129	43	7837	6.38	ug/L	92
14) Carbon disulfide	4.391	76	56060	2.50	ug/L	99
15) Methyl Acetate	4.678	43	7679	2.83	ug/L #	80
16) Methylene chloride	4.922	84	37666	4.16	ug/L	93
17) Methyl tert-butyl Ether	5.422	73	29670	3.19	ug/L #	91
18) trans-1,2-Dichloroethene	5.428	96	21238	2.60	ug/L	96
19) 1,1-Dichloroethane	6.220	63	36436	2.69	ug/L	96
21) 2-Butanone	7.165	43	11767m	6.75	ug/L	
22) cis-1,2-Dichloroethene	7.171	96	22763	2.65	ug/L	96
23) Bromochloromethane	7.525	128	10125	2.63	ug/L	96
25) Chloroform	7.677	83	39292	2.58	ug/L	97
27) 1,2-Dichloroethane	8.403	62	27953	2.70	ug/L #	95
30) Cyclohexane	7.958	56	34401	2.95	ug/L	96
31) 1,1,1-Trichloroethane	7.872	97	32215	2.51	ug/L	99
32) Carbon tetrachloride	8.067	117	28532	2.31	ug/L	98
34) Benzene	8.323	78	78979	2.56	ug/L	100
35) Trichloroethene	9.092	95	22680	2.55	ug/L	97
36) Methylcyclohexane	9.335	83	38324	2.64	ug/L	94
40) 1,2-Dichloropropane	9.366	63	20236	2.81	ug/L	97
41) Bromodichloromethane	9.646	83	27489	2.49	ug/L	93
42) cis-1,3-Dichloropropene	10.073	75	31606	2.61	ug/L	94
43) 4-Methyl-2-pentanone	10.207	43	24081	6.19	ug/L	97
44) Toluene	10.390	91	92972	2.70	ug/L	90
45) trans-1,3-Dichloropropene	10.604	75	27707	2.53	ug/L	95

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46) 1,1,2-Trichloroethane	10.786	97	15987	2.69	ug/L	98
47) Tetrachloroethene	10.866	164	17064	2.56	ug/L	91
49) 2-Hexanone	10.969	43	17371	6.43	ug/L #	94
50) Dibromochloromethane	11.128	129	17458	2.43	ug/L	90
51) 1,2-Dibromoethane	11.238	107	15292	2.61	ug/L	96
52) Chlorobenzene	11.658	112	57884	2.60	ug/L	97
53) Ethylbenzene	11.731	91	101906	2.59	ug/L	99
54) m,p-Xylene	11.835	106	38268	2.55	ug/L	99
55) o-xylene	12.164	106	35134	2.49	ug/L	84
56) Styrene	12.182	104	58775	2.43	ug/L	97
57) Isopropylbenzene	12.463	105	96837	2.45	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.713	83	18842	2.71	ug/L	100
59) 1,2,3-Trichloropropane	12.768	75	14170	2.69	ug/L	94
62) Bromoform	12.347	173	9385	2.41	ug/L	97
63) 1,3-Dichlorobenzene	13.499	146	42623	2.48	ug/L	90
64) 1,4-Dichlorobenzene	13.579	146	44927	2.62	ug/L	98
65) 1,2-Dichlorobenzene	13.871	146	39239	2.51	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.487	75	3534	2.79	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.627	180	31014	2.47	ug/L	96
68) 1,2,4-trichlorobenzene	15.127	180	27067	2.60	ug/L	90
69) Naphthalene	15.365	128	54175	2.59	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	23768	2.60	ug/L	94

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

