

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020521\
 Data File : VW018029.D
 Acq On : 05 Feb 2021 09:42
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Feb 06 00:49:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 03 21:58:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	478674	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	424919	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	224211	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	122809	20.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.56%
7) Chloroethane-d5	2.891	69	101718	21.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.16%
10) 1,1-Dichloroethene-d2	4.019	63	268703	22.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.36%
20) 2-Butanone-d5	7.074	46	60177	37.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.82%
24) Chloroform-d	7.647	84	285921	22.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	8.299	65	141885	21.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.84%
29) Benzene-d6	8.275	84	553213	23.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.84%
33) 1,2-Dichloropropane-d6	9.274	67	153532	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.323	98	532330	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.92%
38) trans-1,3-Dichloroprop...	10.579	79	70204	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.92%
39) 2-Hexanone-d5	10.920	63	49981	40.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.12%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	118520	20.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.72%
61) 1,2-Dichlorobenzene-d4	13.853	152	181527	22.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	147320	22.75	ug/L	97
3) Chloromethane	2.215	50	108159	22.67	ug/L	100
5) Vinyl chloride	2.367	62	155470	23.63	ug/L	98
6) Bromomethane	2.782	94	103414	22.10	ug/L	100
8) Chloroethane	2.922	64	90477	23.01	ug/L	99
9) Trichlorofluoromethane	3.263	101	117162	24.63	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	158664	23.34	ug/L #	66
12) 1,1-Dichloroethene	4.044	96	152452	23.84	ug/L	94
13) Acetone	4.111	43	42425	36.12	ug/L	96
14) Carbon disulfide	4.385	76	446099	23.95	ug/L	98
15) Methyl Acetate	4.665	43	48657	18.67	ug/L	97
16) Methylene chloride	4.915	84	142032	18.52	ug/L	92
17) Methyl tert-butyl Ether	5.415	73	155243	21.62	ug/L	97
18) trans-1,2-Dichloroethene	5.421	96	159721	23.37	ug/L	98
19) 1,1-Dichloroethane	6.208	63	256460	23.25	ug/L	99
21) 2-Butanone	7.165	43	63423	35.47	ug/L	93
22) cis-1,2-Dichloroethene	7.165	96	164215	23.16	ug/L	99
23) Bromochloromethane	7.512	128	74932	21.99	ug/L	92
25) Chloroform	7.671	83	275584	22.89	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	164044	20.99	ug/L	100
30) Cyclohexane	7.951	56	238804	24.57	ug/L	96
31) 1,1,1-Trichloroethane	7.866	97	233560	24.79	ug/L	99
32) Carbon tetrachloride	8.067	117	225714	24.73	ug/L	97
34) Benzene	8.323	78	592262	23.85	ug/L	100
35) Trichloroethene	9.091	95	167878	23.99	ug/L	98
36) Methylcyclohexane	9.335	83	286033	24.31	ug/L	97
40) 1,2-Dichloropropane	9.366	63	135573	23.79	ug/L	100
41) Bromodichloromethane	9.640	83	191061	23.41	ug/L	95
42) cis-1,3-Dichloropropene	10.073	75	221506	24.12	ug/L	100
43) 4-Methyl-2-pentanone	10.207	43	137589	38.83	ug/L	94
44) Toluene	10.384	91	656414	24.01	ug/L	98
45) trans-1,3-Dichloropropene	10.603	75	186620	23.34	ug/L	100
46) 1,1,2-Trichloroethane	10.786	97	102982	21.17	ug/L	97
47) Tetrachloroethene	10.859	164	141228	23.70	ug/L	94
49) 2-Hexanone	10.963	43	95558	38.80	ug/L	95
50) Dibromochloromethane	11.128	129	133671	22.93	ug/L	100
51) 1,2-Dibromoethane	11.231	107	103059	21.24	ug/L #	98
52) Chlorobenzene	11.658	112	420705	23.36	ug/L	98
53) Ethylbenzene	11.731	91	735747	23.69	ug/L	97
54) m,p-Xylene	11.835	106	285658	24.12	ug/L	99
55) o-xylene	12.164	106	269799	24.01	ug/L	99
56) Styrene	12.182	104	462642	24.21	ug/L	96
57) Isopropylbenzene	12.463	105	749013	23.94	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.713	83	115869	20.13	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	84289	19.33	ug/L	99
62) Bromoform	12.347	173	75720	21.91	ug/L #	99
63) 1,3-Dichlorobenzene	13.499	146	334120	23.38	ug/L	98
64) 1,4-Dichlorobenzene	13.578	146	333220	23.18	ug/L	95
65) 1,2-Dichlorobenzene	13.865	146	291218	22.60	ug/L	97
66) 1,2-Dibromo-3-chloropr...	14.481	75	18930	19.39	ug/L	94
67) 1,3,5-Trichlorobenzene	14.627	180	251096	22.87	ug/L	97
68) 1,2,4-trichlorobenzene	15.133	180	211874	23.15	ug/L	98
69) Naphthalene	15.365	128	362098	20.33	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	176305	21.61	ug/L	96

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

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