

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018123.D
 Acq On : 15 Feb 2021 09:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Feb 16 02:14:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 12 22:41:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.835	114	391669	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	350452	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	184319	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	90516	18.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.36%
7) Chloroethane-d5	2.891	69	78905	20.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.68%
10) 1,1-Dichloroethene-d2	4.025	63	209883	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.28%
20) 2-Butanone-d5	7.074	46	50803	39.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.22%
24) Chloroform-d	7.647	84	235242	22.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.56%
26) 1,2-Dichloroethane-d4	8.305	65	116699	21.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.28%
29) Benzene-d6	8.275	84	446954	23.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.92%
33) 1,2-Dichloropropane-d6	9.274	67	126467	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.323	98	425492	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.96%
38) trans-1,3-Dichloroprop...	10.579	79	57200	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.80%
39) 2-Hexanone-d5	10.920	63	42659	41.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.92%
48) 1,1,2,2-Tetrachloroeth...	12.694	84	104157	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.12%
61) 1,2-Dichlorobenzene-d4	13.853	152	157467	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	108410	20.46	ug/L	99
3) Chloromethane	2.215	50	81875	20.98	ug/L	99
5) Vinyl chloride	2.367	62	126098	23.42	ug/L	100
6) Bromomethane	2.788	94	85484	22.33	ug/L	98
8) Chloroethane	2.928	64	72936	22.67	ug/L	94
9) Trichlorofluoromethane	3.263	101	95203	24.46	ug/L	98
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	133054	23.92	ug/L #	64
12) 1,1-Dichloroethene	4.037	96	127522	24.37	ug/L	94
13) Acetone	4.123	43	35926	37.38	ug/L	96
14) Carbon disulfide	4.385	76	361722	23.73	ug/L	99
15) Methyl Acetate	4.672	43	40488	18.99	ug/L	97
16) Methylene chloride	4.915	84	124323	19.81	ug/L	91
17) Methyl tert-butyl Ether	5.421	73	133770	22.77	ug/L	97
18) trans-1,2-Dichloroethene	5.421	96	132243	23.64	ug/L	94
19) 1,1-Dichloroethane	6.214	63	212843	23.58	ug/L	99
21) 2-Butanone	7.171	43	53278	36.41	ug/L	94
22) cis-1,2-Dichloroethene	7.165	96	136864	23.59	ug/L	97
23) Bromochloromethane	7.512	128	61787	22.16	ug/L	91
25) Chloroform	7.671	83	228920	23.24	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	136358	21.33	ug/L	99
30) Cyclohexane	7.951	56	192229	23.98	ug/L	94
31) 1,1,1-Trichloroethane	7.872	97	196017	25.23	ug/L	98
32) Carbon tetrachloride	8.067	117	188617	25.06	ug/L	97
34) Benzene	8.323	78	497787	24.30	ug/L	100
35) Trichloroethene	9.091	95	139065	24.09	ug/L	99
36) Methylcyclohexane	9.335	83	235119	24.22	ug/L	96
40) 1,2-Dichloropropane	9.366	63	113266	24.10	ug/L	100
41) Bromodichloromethane	9.640	83	159678	23.73	ug/L	97
42) cis-1,3-Dichloropropene	10.073	75	184762	24.39	ug/L	98
43) 4-Methyl-2-pentanone	10.207	43	112620	38.53	ug/L	93
44) Toluene	10.384	91	546024	24.22	ug/L	99
45) trans-1,3-Dichloropropene	10.603	75	155797	23.63	ug/L	100
46) 1,1,2-Trichloroethane	10.786	97	89883	22.40	ug/L	98
47) Tetrachloroethene	10.859	164	121203	24.66	ug/L	93
49) 2-Hexanone	10.969	43	78445	38.62	ug/L	95
50) Dibromochloromethane	11.128	129	111942	23.29	ug/L	94
51) 1,2-Dibromoethane	11.237	107	87227	21.80	ug/L #	98
52) Chlorobenzene	11.658	112	356533	24.01	ug/L	99
53) Ethylbenzene	11.731	91	618538	24.15	ug/L	98
54) m,p-Xylene	11.841	106	237369	24.30	ug/L	96
55) o-xylene	12.164	106	225726	24.36	ug/L	99
56) Styrene	12.182	104	386641	24.53	ug/L	97
57) Isopropylbenzene	12.463	105	638389	24.74	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.713	83	98317	20.71	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	72228	20.09	ug/L	99
62) Bromoform	12.347	173	66596	23.45	ug/L	99
63) 1,3-Dichlorobenzene	13.499	146	287527	24.47	ug/L	95
64) 1,4-Dichlorobenzene	13.578	146	280600	23.75	ug/L	93
65) 1,2-Dichlorobenzene	13.865	146	249941	23.59	ug/L	99
66) 1,2-Dibromo-3-chloropr...	14.481	75	15613	19.46	ug/L	96
67) 1,3,5-Trichlorobenzene	14.627	180	224211	24.84	ug/L	98
68) 1,2,4-trichlorobenzene	15.127	180	179246	23.82	ug/L	95
69) Naphthalene	15.365	128	311033	21.25	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	150257	22.40	ug/L	96

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

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