

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021821\
 Data File : VW018199.D
 Acq On : 18 Feb 2021 09:09
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Feb 18 13:29:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	410490	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	364930	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	191758	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	96548	18.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.68%
7) Chloroethane-d5	2.891	69	86651	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.60%
10) 1,1-Dichloroethene-d2	4.025	63	227378	22.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.16%
20) 2-Butanone-d5	7.074	46	57171	41.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.98%
24) Chloroform-d	7.647	84	268986	24.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.88%
26) 1,2-Dichloroethane-d4	8.305	65	132362	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.28%
29) Benzene-d6	8.275	84	508622	25.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.52%
33) 1,2-Dichloropropane-d6	9.274	67	144850	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.40%
37) Toluene-d8	10.323	98	483957	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.52%
38) trans-1,3-Dichloroprop...	10.579	79	63539	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.04%
39) 2-Hexanone-d5	10.921	63	49524	46.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.44%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	120446	24.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.88%
61) 1,2-Dichlorobenzene-d4	13.853	152	184295	26.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.76%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	110068	19.82	ug/L	98
3) Chloromethane	2.215	50	88735	21.69	ug/L	97
5) Vinyl chloride	2.367	62	132295	23.45	ug/L	99
6) Bromomethane	2.788	94	90472	22.55	ug/L	98
8) Chloroethane	2.928	64	78424	23.26	ug/L	98
9) Trichlorofluoromethane	3.263	101	101281	24.83	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	141625	24.29	ug/L	# 63
12) 1,1-Dichloroethene	4.044	96	135752	24.75	ug/L	91
13) Acetone	4.123	43	35615	35.36	ug/L	98
14) Carbon disulfide	4.385	76	369729	23.15	ug/L	100
15) Methyl Acetate	4.666	43	40713	18.22	ug/L	94
16) Methylene chloride	4.922	84	130797	19.88	ug/L	88
17) Methyl tert-butyl Ether	5.428	73	137071	22.26	ug/L	97
18) trans-1,2-Dichloroethene	5.422	96	142341	24.28	ug/L	94
19) 1,1-Dichloroethane	6.214	63	226449	23.94	ug/L	98
21) 2-Butanone	7.165	43	52537	34.26	ug/L	93
22) cis-1,2-Dichloroethene	7.165	96	147393	24.24	ug/L	96
23) Bromochloromethane	7.513	128	68175	23.33	ug/L	90
25) Chloroform	7.671	83	246716	23.90	ug/L	99
27) 1,2-Dichloroethane	8.397	62	143434	21.41	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	7.958	56	198682	23.80	ug/L	94
31) 1,1,1-Trichloroethane	7.872	97	208549	25.77	ug/L	98
32) Carbon tetrachloride	8.067	117	203879	26.01	ug/L	99
34) Benzene	8.323	78	525789	24.65	ug/L	100
35) Trichloroethene	9.092	95	149304	24.84	ug/L	99
36) Methylcyclohexane	9.335	83	245834	24.32	ug/L	96
40) 1,2-Dichloropropane	9.366	63	119840	24.49	ug/L	99
41) Bromodichloromethane	9.640	83	172842	24.66	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	197903	25.09	ug/L	98
43) 4-Methyl-2-pentanone	10.207	43	116280	38.21	ug/L	92
44) Toluene	10.384	91	583277	24.85	ug/L	100
45) trans-1,3-Dichloropropene	10.604	75	166817	24.29	ug/L	98
46) 1,1,2-Trichloroethane	10.786	97	95014	22.74	ug/L	98
47) Tetrachloroethene	10.860	164	130468	25.50	ug/L	94
49) 2-Hexanone	10.969	43	80652	38.14	ug/L	96
50) Dibromochloromethane	11.128	129	122019	24.38	ug/L	92
51) 1,2-Dibromoethane	11.231	107	92411	22.18	ug/L #	98
52) Chlorobenzene	11.658	112	384357	24.85	ug/L	99
53) Ethylbenzene	11.731	91	665396	24.94	ug/L	98
54) m,p-Xylene	11.835	106	257159	25.28	ug/L	95
55) o-xylene	12.164	106	247853	25.69	ug/L	98
56) Styrene	12.176	104	418374	25.50	ug/L	98
57) Isopropylbenzene	12.463	105	688249	25.61	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	104514	21.15	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	76110	20.33	ug/L	98
62) Bromoform	12.347	173	70527	23.87	ug/L	97
63) 1,3-Dichlorobenzene	13.499	146	308205	25.21	ug/L	98
64) 1,4-Dichlorobenzene	13.579	146	316481	25.74	ug/L	91
65) 1,2-Dichlorobenzene	13.865	146	269706	24.47	ug/L	93
66) 1,2-Dibromo-3-chloropr...	14.481	75	16209	19.41	ug/L	98
67) 1,3,5-Trichlorobenzene	14.627	180	247598	26.37	ug/L	98
68) 1,2,4-trichlorobenzene	15.127	180	197182	25.19	ug/L	96
69) Naphthalene	15.365	128	322606	21.18	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	167713	24.03	ug/L	99

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

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