

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012021\
 Data File : VW017969.D
 Acq On : 20 Jan 2021 15:14
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Manual Integrations
 APPROVED

MMDadoda
 1/22/2021 5:04:28 PM

Quant Time: Jan 20 22:04:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 20 22:00:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	353119	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	339373	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	172991	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	122627	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
7) Chloroethane-d5	2.886	69	111727	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
10) 1,1-Dichloroethene-d2	4.026	63	226764	22.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.60%
20) 2-Butanone-d5	7.080	46	62733	46.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.60%
24) Chloroform-d	7.647	84	227738	23.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	8.305	65	130118	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.48%
29) Benzene-d6	8.275	84	429548	22.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.48%
33) 1,2-Dichloropropane-d6	9.275	67	126023	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.20%
37) Toluene-d8	10.323	98	400011	21.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.76%
38) trans-1,3-Dichloroprop...	10.579	79	55783	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.40%
39) 2-Hexanone-d5	10.927	63	45973	46.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.78%
48) 1,1,2,2-Tetrachloroeth...	12.695	84	116627	23.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.92%
61) 1,2-Dichlorobenzene-d4	13.853	152	137530	22.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	118290	27.67	ug/L	95
3) Chloromethane	2.209	50	103225	26.70	ug/L	98
5) Vinyl chloride	2.361	62	171236	29.06	ug/L	100
6) Bromomethane	2.776	94	148180	31.30	ug/L	99
8) Chloroethane	2.922	64	111096	30.35	ug/L	96
9) Trichlorofluoromethane	3.257	101	113166	25.33	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.062	101	132099	26.88	ug/L #	71
12) 1,1-Dichloroethene	4.044	96	124020	26.77	ug/L	88
13) Acetone	4.129	43	48539	51.42	ug/L	94
14) Carbon disulfide	4.385	76	385359	26.87	ug/L	100
15) Methyl Acetate	4.672	43	61139m	26.62	ug/L	
16) Methylene chloride	4.916	84	133309	26.06	ug/L	93
17) Methyl tert-butyl Ether	5.422	73	163808	26.26	ug/L	98
18) trans-1,2-Dichloroethene	5.422	96	135482	27.02	ug/L	98
19) 1,1-Dichloroethane	6.214	63	236238	27.82	ug/L	98
21) 2-Butanone	7.171	43	80078	54.60	ug/L	99
22) cis-1,2-Dichloroethene	7.171	96	142952	27.22	ug/L	96
23) Bromochloromethane	7.513	128	63211	26.48	ug/L	90
25) Chloroform	7.671	83	253687	28.03	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	177305	28.40	ug/L	96
30) Cyclohexane	7.958	56	220419	26.43	ug/L	99
31) 1,1,1-Trichloroethane	7.872	97	206757	26.15	ug/L	96
32) Carbon tetrachloride	8.068	117	196565	26.00	ug/L	97
34) Benzene	8.324	78	540749	26.95	ug/L	100
35) Trichloroethene	9.092	95	142759	25.87	ug/L	95
36) Methylcyclohexane	9.336	83	252547	26.29	ug/L	99
40) 1,2-Dichloropropane	9.366	63	131465	27.08	ug/L	98
41) Bromodichloromethane	9.646	83	182132	27.19	ug/L	93
42) cis-1,3-Dichloropropene	10.073	75	208010	26.96	ug/L	100
43) 4-Methyl-2-pentanone	10.207	43	169535	51.95	ug/L	96
44) Toluene	10.390	91	598973	27.01	ug/L	99
45) trans-1,3-Dichloropropene	10.604	75	185187	27.48	ug/L	98
46) 1,1,2-Trichloroethane	10.787	97	103536	26.49	ug/L	98
47) Tetrachloroethene	10.860	164	109280	25.17	ug/L	94
49) 2-Hexanone	10.969	43	121062	54.32	ug/L	90
50) Dibromochloromethane	11.128	129	120106	25.74	ug/L	94
51) 1,2-Dibromoethane	11.238	107	103028	26.22	ug/L #	96
52) Chlorobenzene	11.658	112	379872	26.57	ug/L	97
53) Ethylbenzene	11.731	91	678413	27.09	ug/L	96
54) m,p-Xylene	11.835	106	256428	26.46	ug/L	92
55) o-xylene	12.164	106	242645	27.02	ug/L	98
56) Styrene	12.183	104	418607	27.51	ug/L	98
57) Isopropylbenzene	12.463	105	676265	27.09	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.713	83	130488	27.05	ug/L	98
59) 1,2,3-Trichloropropane	12.768	75	98123	26.91	ug/L	98
62) Bromoform	12.347	173	67370	27.30	ug/L	98
63) 1,3-Dichlorobenzene	13.499	146	285445	26.35	ug/L	95
64) 1,4-Dichlorobenzene	13.579	146	293254	26.94	ug/L	96
65) 1,2-Dichlorobenzene	13.871	146	263681	27.03	ug/L	99
66) 1,2-Dibromo-3-chloropr...	14.481	75	20982	25.67	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.627	180	202130	26.70	ug/L	96
68) 1,2,4-trichlorobenzene	15.127	180	163644	25.33	ug/L	93
69) Naphthalene	15.359	128	363612	26.30	ug/L	100
70) 1,2,3-Trichlorobenzene	15.554	180	143791	25.53	ug/L	98

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

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