

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012121\
 Data File : VW017974.D
 Acq On : 21 Jan 2021 13:27
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Jan 22 00:26:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 22 00:25:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	350853	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	325972	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	159751	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	116098	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.32%
7) Chloroethane-d5	2.885	69	103357	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
10) 1,1-Dichloroethene-d2	4.019	63	228049	22.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.68%
20) 2-Butanone-d5	7.080	46	40004	30.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.08%
24) Chloroform-d	7.647	84	221479	23.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.52%
26) 1,2-Dichloroethane-d4	8.305	65	112813	20.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.32%
29) Benzene-d6	8.269	84	413621	22.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.68%
33) 1,2-Dichloropropane-d6	9.274	67	117353	22.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.40%
37) Toluene-d8	10.323	98	389260	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.88%
38) trans-1,3-Dichloroprop...	10.573	79	46757	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.12%
39) 2-Hexanone-d5	10.927	63	27893	29.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.62%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	85145	18.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.12%
61) 1,2-Dichlorobenzene-d4	13.853	152	123318	22.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.76%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	131101	30.87	ug/L	93
3) Chloromethane	2.209	50	105205	27.39	ug/L	98
5) Vinyl chloride	2.361	62	172148	29.40	ug/L	98
6) Bromomethane	2.782	94	131633	27.98	ug/L	99
8) Chloroethane	2.922	64	105264	28.94	ug/L	99
9) Trichlorofluoromethane	3.263	101	114520	25.80	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.062	101	132544	27.14	ug/L #	71
12) 1,1-Dichloroethene	4.038	96	124998	27.15	ug/L	85
13) Acetone	4.135	43	37640	40.13	ug/L	86
14) Carbon disulfide	4.385	76	386408	27.11	ug/L	99
15) Methyl Acetate	4.672	43	40288	17.65	ug/L	99
16) Methylene chloride	4.916	84	125290	24.65	ug/L	90
17) Methyl tert-butyl Ether	5.422	73	137596	22.20	ug/L	97
18) trans-1,2-Dichloroethene	5.422	96	135231	27.15	ug/L	97
19) 1,1-Dichloroethane	6.208	63	237850	28.19	ug/L	100
21) 2-Butanone	7.165	43	54378	37.32	ug/L	98
22) cis-1,2-Dichloroethene	7.165	96	139206	26.68	ug/L	93
23) Bromochloromethane	7.513	128	57933	24.42	ug/L	92
25) Chloroform	7.671	83	244455	27.19	ug/L	99

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

27) 1,2-Dichloroethane	8.397	62	157965	25.47	ug/L #	94
30) Cyclohexane	7.952	56	220378	27.52	ug/L	100
31) 1,1,1-Trichloroethane	7.866	97	206255	27.15	ug/L	96
32) Carbon tetrachloride	8.067	117	199635	27.49	ug/L	100
34) Benzene	8.323	78	531690	27.59	ug/L	100
35) Trichloroethene	9.092	95	145440	27.44	ug/L	93
36) Methylcyclohexane	9.335	83	258589	28.02	ug/L	98
40) 1,2-Dichloropropane	9.366	63	125814	26.98	ug/L	98
41) Bromodichloromethane	9.640	83	174006	27.04	ug/L	97
42) cis-1,3-Dichloropropene	10.073	75	193996	26.18	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	115512	36.85	ug/L	94
44) Toluene	10.384	91	596238	27.99	ug/L	96
45) trans-1,3-Dichloropropene	10.604	75	160230	24.75	ug/L	99
46) 1,1,2-Trichloroethane	10.786	97	87243	23.24	ug/L	94
47) Tetrachloroethene	10.860	164	106571	25.56	ug/L	95
49) 2-Hexanone	10.969	43	78944	36.88	ug/L #	86
50) Dibromochloromethane	11.128	129	107923	24.08	ug/L	96
51) 1,2-Dibromoethane	11.238	107	83457	22.11	ug/L #	96
52) Chlorobenzene	11.652	112	362976	26.44	ug/L	95
53) Ethylbenzene	11.731	91	673740	28.01	ug/L	98
54) m,p-Xylene	11.841	106	256318	27.53	ug/L	95
55) o-xylene	12.164	106	238236	27.62	ug/L	95
56) Styrene	12.182	104	402771	27.55	ug/L	96
57) Isopropylbenzene	12.463	105	673276	28.08	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.713	83	96642	20.86	ug/L	98
59) 1,2,3-Trichloropropane	12.768	75	71051	20.28	ug/L	99
62) Bromoform	12.347	173	50490	22.16	ug/L	99
63) 1,3-Dichlorobenzene	13.499	146	271278	27.12	ug/L	97
64) 1,4-Dichlorobenzene	13.579	146	272588	27.11	ug/L	95
65) 1,2-Dichlorobenzene	13.871	146	235368	26.13	ug/L	94
66) 1,2-Dibromo-3-chloropr...	14.481	75	13845	18.34	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.627	180	187576	26.83	ug/L	99
68) 1,2,4-trichlorobenzene	15.133	180	150754	25.27	ug/L	97
69) Naphthalene	15.365	128	255932	20.05	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	123810	23.80	ug/L	98

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

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