

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011821\
 Data File : VW017947.D
 Acq On : 18 Jan 2021 22:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Jan 19 07:02:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 19 06:55:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	457015	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	441284	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	218794	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	146735	20.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.84%
7) Chloroethane-d5	2.879	69	126494	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
10) 1,1-Dichloroethene-d2	4.019	63	270664	20.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.56%
20) 2-Butanone-d5	7.074	46	69486	40.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.12%
24) Chloroform-d	7.647	84	290326	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.305	65	158620	22.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.96%
29) Benzene-d6	8.275	84	559082	22.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.56%
33) 1,2-Dichloropropane-d6	9.275	67	162635	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.52%
37) Toluene-d8	10.323	98	545961	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.08%
38) trans-1,3-Dichloroprop...	10.579	79	70173	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
39) 2-Hexanone-d5	10.927	63	51208	39.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.48%
48) 1,1,2,2-Tetrachloroeth...	12.695	84	133316	20.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.44%
61) 1,2-Dichlorobenzene-d4	13.853	152	183748	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	89457	16.17	ug/L	98
3) Chloromethane	2.209	50	102593	20.51	ug/L	96
5) Vinyl chloride	2.355	62	165072	21.64	ug/L	97
6) Bromomethane	2.770	94	116744	19.05	ug/L	99
8) Chloroethane	2.916	64	106044	22.38	ug/L	99
9) Trichlorofluoromethane	3.263	101	113986	19.71	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.062	101	138326	21.75	ug/L #	73
12) 1,1-Dichloroethene	4.044	96	129674	21.62	ug/L	90
13) Acetone	4.117	43	43448	35.56	ug/L	94
14) Carbon disulfide	4.385	76	398346	21.46	ug/L	98
15) Methyl Acetate	4.666	43	56235	18.92	ug/L	96
16) Methylene chloride	4.909	84	141133	21.32	ug/L	92
17) Methyl tert-butyl Ether	5.422	73	188915	23.40	ug/L	98
18) trans-1,2-Dichloroethene	5.422	96	144265	22.23	ug/L	100
19) 1,1-Dichloroethane	6.214	63	249263	22.68	ug/L	99
21) 2-Butanone	7.171	43	73140	38.53	ug/L	100
22) cis-1,2-Dichloroethene	7.171	96	151613	22.31	ug/L	96
23) Bromochloromethane	7.507	128	68019	22.01	ug/L	92
25) Chloroform	7.671	83	269624	23.02	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	182126	22.54	ug/L	96
30) Cyclohexane	7.958	56	224647	20.72	ug/L	99
31) 1,1,1-Trichloroethane	7.872	97	219600	21.36	ug/L	97
32) Carbon tetrachloride	8.067	117	207740	21.13	ug/L	99
34) Benzene	8.323	78	579277	22.21	ug/L	100
35) Trichloroethene	9.092	95	157903	22.01	ug/L	95
36) Methylcyclohexane	9.336	83	259477	20.77	ug/L	99
40) 1,2-Dichloropropane	9.366	63	140543	22.26	ug/L	99
41) Bromodichloromethane	9.646	83	196609	22.57	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	222872	22.22	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	164833	38.84	ug/L	96
44) Toluene	10.390	91	655613	22.74	ug/L	98
45) trans-1,3-Dichloropropene	10.604	75	194614	22.21	ug/L	97
46) 1,1,2-Trichloroethane	10.786	97	111421	21.92	ug/L	95
47) Tetrachloroethene	10.860	164	121677	21.56	ug/L	97
49) 2-Hexanone	10.969	43	112720	38.89	ug/L	91
50) Dibromochloromethane	11.128	129	134438	22.16	ug/L	96
51) 1,2-Dibromoethane	11.238	107	108949	21.32	ug/L #	100
52) Chlorobenzene	11.658	112	429211	23.09	ug/L	99
53) Ethylbenzene	11.731	91	745156	22.88	ug/L	98
54) m,p-Xylene	11.841	106	287129	22.78	ug/L	96
55) o-xylene	12.164	106	274681	23.53	ug/L	99
56) Styrene	12.183	104	473705	23.94	ug/L	99
57) Isopropylbenzene	12.463	105	733325	22.59	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	129644	20.67	ug/L	98
59) 1,2,3-Trichloropropane	12.768	75	95601	20.16	ug/L	98
62) Bromoform	12.347	173	68355	21.90	ug/L #	98
63) 1,3-Dichlorobenzene	13.499	146	314656	22.97	ug/L	95
64) 1,4-Dichlorobenzene	13.579	146	317370	23.05	ug/L	97
65) 1,2-Dichlorobenzene	13.871	146	286553	23.23	ug/L	96
66) 1,2-Dibromo-3-chloropr...	14.481	75	18983	18.36	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.627	180	212886	22.24	ug/L	97
68) 1,2,4-trichlorobenzene	15.133	180	172641	21.13	ug/L	95
69) Naphthalene	15.365	128	345925	19.78	ug/L	100
70) 1,2,3-Trichlorobenzene	15.554	180	152352	21.39	ug/L	98

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

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