

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW011921\
 Data File : VW017949.D
 Acq On : 19 Jan 2021 10:10
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Jan 20 06:26:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 20 04:48:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	355743	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	329888	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	170457	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	133457	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
7) Chloroethane-d5	2.885	69	113011	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.026	63	252649	25.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.20%
20) 2-Butanone-d5	7.080	46	77153	57.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.28%
24) Chloroform-d	7.647	84	248032	25.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	8.305	65	138225	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.68%
29) Benzene-d6	8.275	84	461568	24.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.80%
33) 1,2-Dichloropropane-d6	9.275	67	133099	24.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.08%
37) Toluene-d8	10.323	98	435977	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloroprop...	10.579	79	61059	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	10.927	63	56018	58.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.32%
48) 1,1,2,2-Tetrachloroeth...	12.695	84	129491	27.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.40%
61) 1,2-Dichlorobenzene-d4	13.853	152	151204	25.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.96%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	119650	27.78	ug/L	94
3) Chloromethane	2.215	50	101924	26.17	ug/L	97
5) Vinyl chloride	2.367	62	163124	27.48	ug/L	100
6) Bromomethane	2.782	94	124031	26.00	ug/L	99
8) Chloroethane	2.922	64	103134	27.97	ug/L	99
9) Trichlorofluoromethane	3.263	101	122650	27.25	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	134594	27.18	ug/L #	71
12) 1,1-Dichloroethene	4.044	96	126182	27.03	ug/L	88
13) Acetone	4.123	43	57966	60.96	ug/L	93
14) Carbon disulfide	4.385	76	395614	27.38	ug/L	100
15) Methyl Acetate	4.666	43	66683	28.82	ug/L	97
16) Methylene chloride	4.916	84	128829	25.00	ug/L	95
17) Methyl tert-butyl Ether	5.428	73	173257	27.57	ug/L	98
18) trans-1,2-Dichloroethene	5.422	96	136340	26.99	ug/L	95
19) 1,1-Dichloroethane	6.208	63	231156	27.02	ug/L	98
21) 2-Butanone	7.171	43	92166	62.38	ug/L	97
22) cis-1,2-Dichloroethene	7.165	96	140145	26.49	ug/L	97
23) Bromochloromethane	7.513	128	65044	27.04	ug/L	94
25) Chloroform	7.671	83	245601	26.94	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	176008	27.99	ug/L	96
30) Cyclohexane	7.952	56	217514	26.84	ug/L	98
31) 1,1,1-Trichloroethane	7.872	97	205410	26.72	ug/L	97
32) Carbon tetrachloride	8.067	117	199017	27.08	ug/L	97
34) Benzene	8.324	78	519938	26.66	ug/L	100
35) Trichloroethene	9.092	95	143870	26.82	ug/L	95
36) Methylcyclohexane	9.336	83	254395	27.24	ug/L	99
40) 1,2-Dichloropropane	9.366	63	125534	26.60	ug/L	99
41) Bromodichloromethane	9.640	83	176308	27.07	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	204510	27.27	ug/L	99
43) 4-Methyl-2-pentanone	10.207	43	189213	59.65	ug/L	97
44) Toluene	10.384	91	578799	26.85	ug/L	99
45) trans-1,3-Dichloropropene	10.604	75	183033	27.94	ug/L	96
46) 1,1,2-Trichloroethane	10.786	97	104332	27.46	ug/L	95
47) Tetrachloroethene	10.866	164	112452	26.65	ug/L	92
49) 2-Hexanone	10.969	43	135430	62.51	ug/L	91
50) Dibromochloromethane	11.128	129	121952	26.89	ug/L	97
51) 1,2-Dibromoethane	11.238	107	105762	27.69	ug/L #	96
52) Chlorobenzene	11.658	112	369805	26.61	ug/L	97
53) Ethylbenzene	11.731	91	655510	26.93	ug/L	99
54) m,p-Xylene	11.841	106	253034	26.86	ug/L	98
55) o-xylene	12.164	106	237292	27.19	ug/L	98
56) Styrene	12.183	104	402625	27.22	ug/L	100
57) Isopropylbenzene	12.463	105	646453	26.64	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.713	83	136394	29.09	ug/L	99
59) 1,2,3-Trichloropropane	12.768	75	102086	28.80	ug/L	99
62) Bromoform	12.347	173	67495	27.76	ug/L	99
63) 1,3-Dichlorobenzene	13.499	146	277989	26.05	ug/L	99
64) 1,4-Dichlorobenzene	13.579	146	279266	26.03	ug/L	94
65) 1,2-Dichlorobenzene	13.871	146	256133	26.65	ug/L	96
66) 1,2-Dibromo-3-chloropr...	14.481	75	22942	28.48	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.627	180	199508	26.75	ug/L	95
68) 1,2,4-trichlorobenzene	15.133	180	161700	25.40	ug/L	92
69) Naphthalene	15.365	128	378734	27.80	ug/L	100
70) 1,2,3-Trichlorobenzene	15.554	180	143331	25.82	ug/L	95

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

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