

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032221\
 Data File : VW018412.D
 Acq On : 22 Mar 2021 09:42
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Mar 23 01:07:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 20 03:58:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	579543	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	531330	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	269837	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	189186	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
7) Chloroethane-d5	2.891	69	166161	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	4.025	63	335644	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
20) 2-Butanone-d5	7.074	46	76573	42.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.30%
24) Chloroform-d	7.647	84	352467	23.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	8.305	65	200896	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.24%
29) Benzene-d6	8.275	84	667935	23.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.60%
33) 1,2-Dichloropropane-d6	9.274	67	192019	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.323	98	646694	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloroprop...	10.579	79	100815	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.96%
39) 2-Hexanone-d5	10.920	63	68983	43.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.52%
48) 1,1,2,2-Tetrachloroeth...	12.688	84	166224	22.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.24%
61) 1,2-Dichlorobenzene-d4	13.853	152	224830	23.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.76%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	160843	24.16	ug/L	98
3) Chloromethane	2.215	50	185843	22.15	ug/L	99
5) Vinyl chloride	2.367	62	281025	25.51	ug/L	98
6) Bromomethane	2.782	94	201099	25.27	ug/L	99
8) Chloroethane	2.928	64	168956	24.59	ug/L	99
9) Trichlorofluoromethane	3.263	101	135002	24.35	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	185689	26.05	ug/L	98
12) 1,1-Dichloroethene	4.038	96	186166	25.59	ug/L	89
13) Acetone	4.123	43	51491	39.92	ug/L	93
14) Carbon disulfide	4.385	76	568564	25.95	ug/L	98
15) Methyl Acetate	4.665	43	69656	23.61	ug/L	99
16) Methylene chloride	4.915	84	194926	20.51	ug/L	93
17) Methyl tert-butyl Ether	5.421	73	254979	23.99	ug/L	98
18) trans-1,2-Dichloroethene	5.421	96	199789	24.88	ug/L	95
19) 1,1-Dichloroethane	6.214	63	346679	25.30	ug/L	99
21) 2-Butanone	7.165	43	86523	42.22	ug/L	100
22) cis-1,2-Dichloroethene	7.165	96	209666	24.82	ug/L	94
23) Bromochloromethane	7.513	128	91891	24.58	ug/L	87
25) Chloroform	7.671	83	366652	25.21	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	254934	24.71	ug/L	99
30) Cyclohexane	7.958	56	313360	24.84	ug/L	97
31) 1,1,1-Trichloroethane	7.872	97	310211	26.12	ug/L	98
32) Carbon tetrachloride	8.067	117	290206	26.22	ug/L	99
34) Benzene	8.323	78	781747	25.40	ug/L	100
35) Trichloroethene	9.092	95	214204	25.20	ug/L	98
36) Methylcyclohexane	9.335	83	378740	25.44	ug/L	99
40) 1,2-Dichloropropane	9.366	63	186779	24.81	ug/L	98
41) Bromodichloromethane	9.640	83	273080	25.66	ug/L	100
42) cis-1,3-Dichloropropene	10.073	75	321550	25.26	ug/L	100
43) 4-Methyl-2-pentanone	10.207	43	206597	45.64	ug/L	98
44) Toluene	10.384	91	881530	25.20	ug/L	97
45) trans-1,3-Dichloropropene	10.603	75	290633	25.43	ug/L	99
46) 1,1,2-Trichloroethane	10.786	97	145739	24.28	ug/L	98
47) Tetrachloroethene	10.860	164	169796	26.30	ug/L	96
49) 2-Hexanone	10.969	43	143883	44.92	ug/L	98
50) Dibromochloromethane	11.128	129	181431	25.64	ug/L	94
51) 1,2-Dibromoethane	11.231	107	145261	24.44	ug/L	99
52) Chlorobenzene	11.658	112	567725	25.59	ug/L	99
53) Ethylbenzene	11.731	91	1010306	25.62	ug/L	100
54) m,p-Xylene	11.835	106	386664	25.65	ug/L	98
55) o-xylene	12.164	106	366136	25.48	ug/L	99
56) Styrene	12.182	104	632819	25.83	ug/L	94
57) Isopropylbenzene	12.463	105	1006103	25.75	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	176387	24.28	ug/L	94
59) 1,2,3-Trichloropropane	12.768	75	132200	24.10	ug/L	98
62) Bromoform	12.347	173	104481	25.25	ug/L #	98
63) 1,3-Dichlorobenzene	13.499	146	441086	25.54	ug/L	98
64) 1,4-Dichlorobenzene	13.579	146	425352	24.41	ug/L	97
65) 1,2-Dichlorobenzene	13.865	146	386775	25.06	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	31819	22.81	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.627	180	331518	26.62	ug/L	98
68) 1,2,4-trichlorobenzene	15.127	180	263601	24.87	ug/L	91
69) Naphthalene	15.365	128	520162	23.57	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	235339	25.45	ug/L	97

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

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