

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011221\
 Data File : VW017844.D
 Acq On : 12 Jan 2021 18:37
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Jan 13 03:23:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	333984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	317935	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164384	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111901	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.60%
7) Chloroethane-d5	2.89	69	102227	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
10) 1,1-Dichloroethene-d2	4.03	63	214979	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	7.07	46	56832	67.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.70%#
24) Chloroform-d	7.65	84	240220	27.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	8.30	65	132162	29.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.04%
29) Benzene-d6	8.27	84	449101	25.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.32%
33) 1,2-Dichloropropane-d6	9.27	67	134901	27.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.32%
37) Toluene-d8	10.32	98	439864	25.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.28%
38) trans-1,3-Dichloropropene-	10.58	79	59256	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.72%
39) 2-Hexanone-d5	10.93	63	41074	66.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109949	30.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	147811	25.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65315	17.713	ug/L	95
3) Chloromethane	2.21	50	72294	22.057	ug/L	97
5) Vinyl chloride	2.36	62	116767	21.058	ug/L	100
6) Bromomethane	2.78	94	80739	19.636	ug/L	99
8) Chloroethane	2.92	64	77956	22.424	ug/L	99
9) Trichlorofluoromethane	3.26	101	83231	18.295	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	95939	22.596	ug/L	95
12) 1,1-Dichloroethene	4.04	96	90347	21.950	ug/L	96
13) Acetone	4.12	43	32236	44.571	ug/L	98
14) Carbon disulfide	4.38	76	244048	19.856	ug/L	99
15) Methyl Acetate	4.67	43	40097	28.605	ug/L	95
16) Methylene chloride	4.92	84	108299	22.675	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	128148	24.566	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	100131	22.554	ug/L	95
19) 1,1-Dichloroethane	6.21	63	187155	24.674	ug/L	98
21) 2-Butanone	7.16	43	52216	53.674	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	118874	25.481	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	45463	23.004	ug/L #	77
25) Chloroform	7.67	83	199772	25.030	ug/L	99
27) 1,2-Dichloroethane	8.40	62	135722	26.289	ug/L	98
30) Cyclohexane	7.96	56	165781	21.907	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	162550	22.226	ug/L	98
32) Carbon tetrachloride	8.07	117	151833	22.005	ug/L	100
34) Benzene	8.32	78	433195	23.830	ug/L	100
35) Trichloroethene	9.09	95	119358	23.721	ug/L	95
36) Methylcyclohexane	9.34	83	194467	22.108	ug/L	97
40) 1,2-Dichloropropane	9.37	63	105847	24.665	ug/L	100
41) Bromodichloromethane	9.64	83	147149	25.050	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	171260	25.008	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	118111	56.650	ug/L	98
44) Toluene	10.39	91	483966	23.347	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	147161	25.235	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	78689	24.669	ug/L	96
47) Tetrachloroethene	10.86	164	94371	23.988	ug/L	91
49) 2-Hexanone	10.97	43	80314	54.294	ug/L	97
50) Dibromochloromethane	11.13	129	96974	25.607	ug/L	93
51) 1,2-Dibromoethane	11.24	107	77530	25.673	ug/L #	97
52) Chlorobenzene	11.66	112	303369	23.444	ug/L	94
53) Ethylbenzene	11.73	91	556472	23.660	ug/L	100
54) m,p-Xylene	11.83	106	210186	22.845	ug/L	94
55) o-xylene	12.16	106	199278	23.031	ug/L	95
56) Styrene	12.18	104	347075	24.115	ug/L	99
57) Isopropylbenzene	12.46	105	559450	23.354	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	93489	26.258	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68871	26.315	ug/L	99
62) Bromoform	12.35	173	49350	24.535	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	235303	23.192	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	230830	22.639	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	205836	23.088	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	14756	25.130	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	164300	23.621	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	130847	22.855	ug/L	96
69) Naphthalene	15.36	128	254550	23.347	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	111727	23.110	ug/L	99

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

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